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# Catalogue of Salmon Streams and Spawning Escapements of Statistical Area 6 — South (Butedale)

A.J. Leaney-East, C.I. Manzon,
and D.E. Marshall

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Enhancement Services Branch
1090 West Pender Street
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July 1982

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No. 299

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## Canadian Data Report of Fisheries and Aquatic Sciences

These reports provide a medium for filing and archiving data compilations where little or no analysis is included. Such compilations commonly will have been prepared in support of other journal publications or reports. The subject matter of Data Reports reflects the broad interests and policies of the Department of Fisheries and Oceans, namely, fisheries management, technology and development, ocean sciences, and aquatic environments relevant to Canada.

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## Rapport statistique canadien des sciences halieutiques et aquatiques

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Les Rapports statistiques ne sont pas préparés pour une vaste distribution et leur contenu ne doit pas être mentionné dans une publication sans autorisation écrite préalable de l'établissement auteur. Le titre exact paraît au haut du résumé de chaque rapport.

Fisheries and Oceans
Canadian Data Report of
Fisheries and Aquatic Sciences
No. 299

July 1982

# CATALOGUE OF SALMON STREAMS AND SPAWNING ESCAPEMENTS OF STATISTICAL AREA 6 (SOUTH)

by

A.J. Leaney-East, C.I. Manzon, and D.E. Marshall

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## ABSTRACT

Leaney-East, A.J., C.I. Manzon, and D.E. Marshall. 1982. Catalogue of salmon streams and spawning escapements of Statistical Area 6 South. Can. Data Rep. Aqaut. Sci. 299: xvii plus 291 pp.

Catalogue containing each stream's location, spawning distribution, barriers and points of difficult ascent, escapement records and other general data pertaining to the stream. The catalogue also includes a topographical map of the stream's location and in some cases a sketch which further describes the surrounding area.

Keywords: British Columbia, statistical area 6 South, salmon streams, spawning escapements, Butedale

## RESUME

Leaney-East, A.J., C.I. Manzon, and D.E. Marshall. 1982. Catalogue of salmon streams and spawning escapements of Statistical Area 6 South. Can. Data Rep. Aquat. Sci. 299: xvii plus 291 pp.

Le présent catalogue contient des données sur l'emplacement de chaque rivière, sur la distribution des lieux de fraie, sur les obstacles et les endroits où la montée est difficile, sur la remonte aux frayères ainsi que d'autres données d'ordre général ayant trait à la rivière. Le catalogue comprend également une carte topographique indiquant l'emplacement de la rivière et, dans certains cas, uncroquis décrit la région environnante.

Mot-clés: Columbie-Britannique, zone statistique 6 sud, rivières à saumon, saumons de remonte, Butedale

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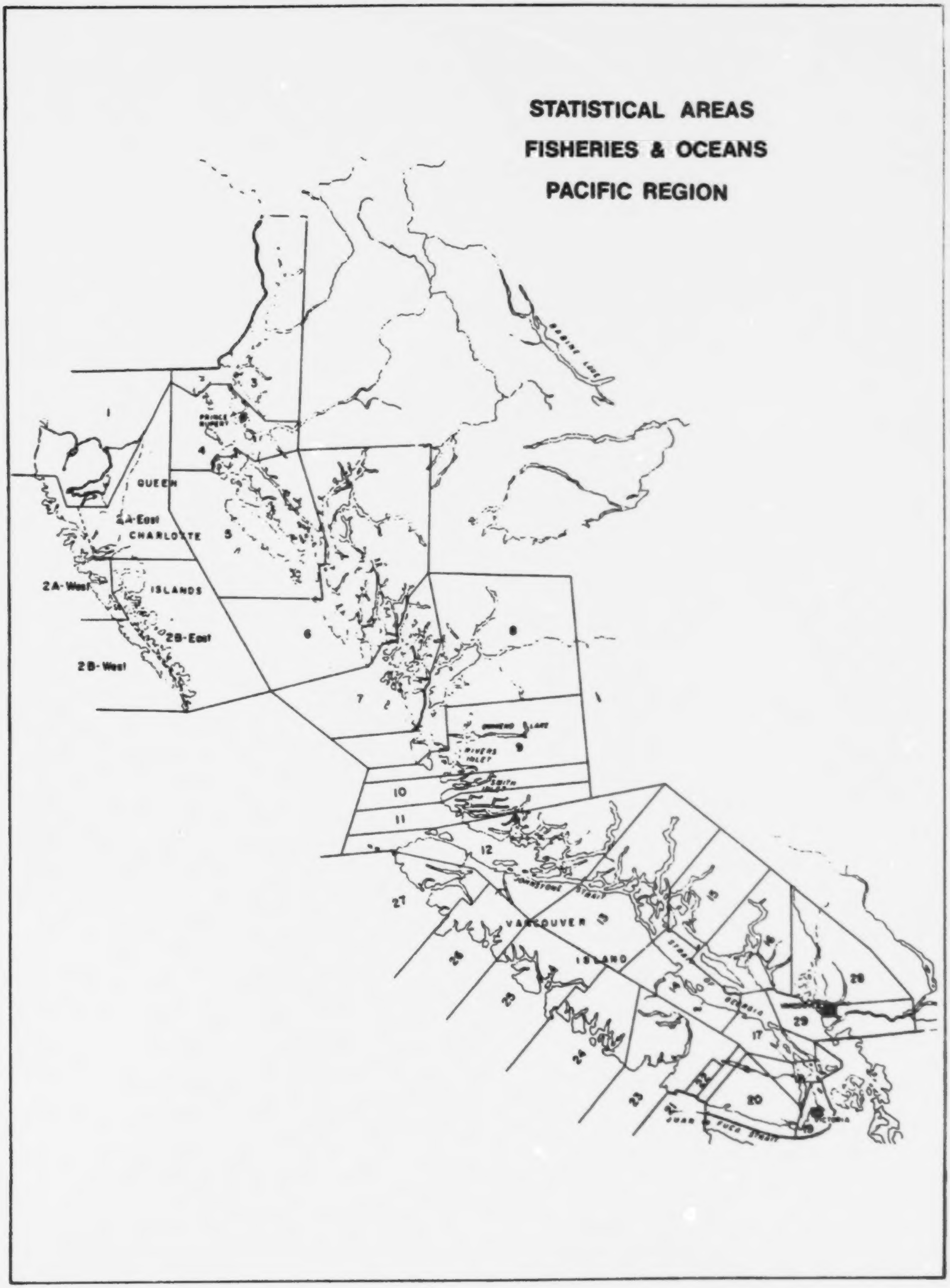
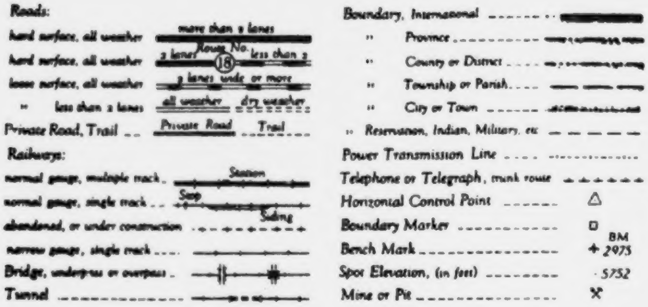
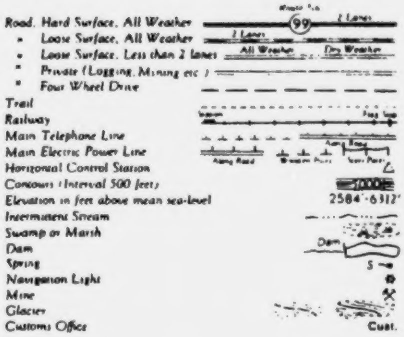


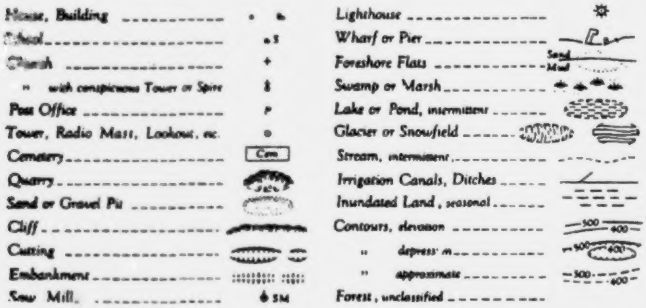
STATISTICAL AREAS
FISHERIES & OCEANS
PACIFIC REGION

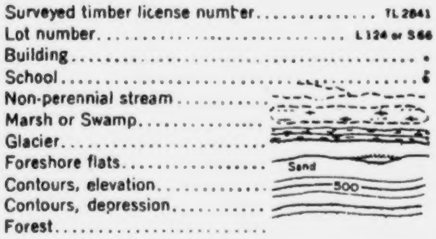
1
3
PRINCE RUPERT
4
BABINE LAKE
QUEEN
2A-East
CHARLOTTE
5
2A-West
ISLANDS
2B-East
2B-West
6
8
7
OWIKENO LAKE
RIVERS INLET
9
SMITH INLET
10
11
12
JOHNSTONE STRAIT
27
VANCOUVER
13
ISLAND
15
16
26
25
14
STRAIT OF GEORGIA
28
29
17
24
22
20
23
21
JUAN DE FUCA STRAIT
19
VICTORIA

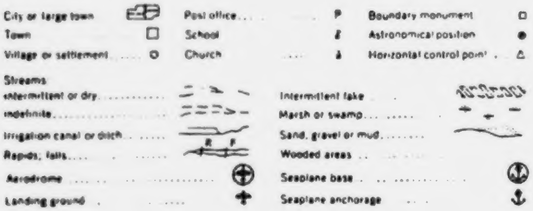
# MAP REFERENCES

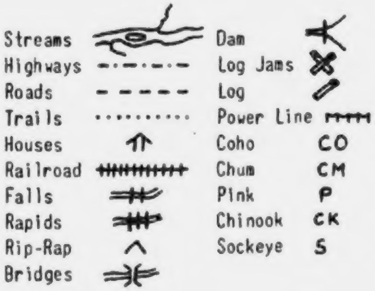

Roads:
hard surface, all weather — more than 2 lanes
hard surface, all weather — 2 lanes — Route No. 18 — less than 2
loose surface, all weather — 2 lanes wide or more
" less than 2 lanes — all weather — dry weather
Private Road, Trail — Private Road — Trail
Railways:
normal gauge, multiple track — Station
normal gauge, single track — Stop — Siding
abandoned, or under construction
narrow gauge, single track
Bridge, underpass or overpass
Tunnel
Boundary, International
" Province
" County or District
" Township or Parish
" City or Town
" Reservation, Indian, Military, etc
Power Transmission Line
Telephone or Telegraph, trunk route
Horizontal Control Point
Boundary Marker
Bench Mark — BM 2975
Spot Elevation, (in feet) — 5752
Mine or Pit

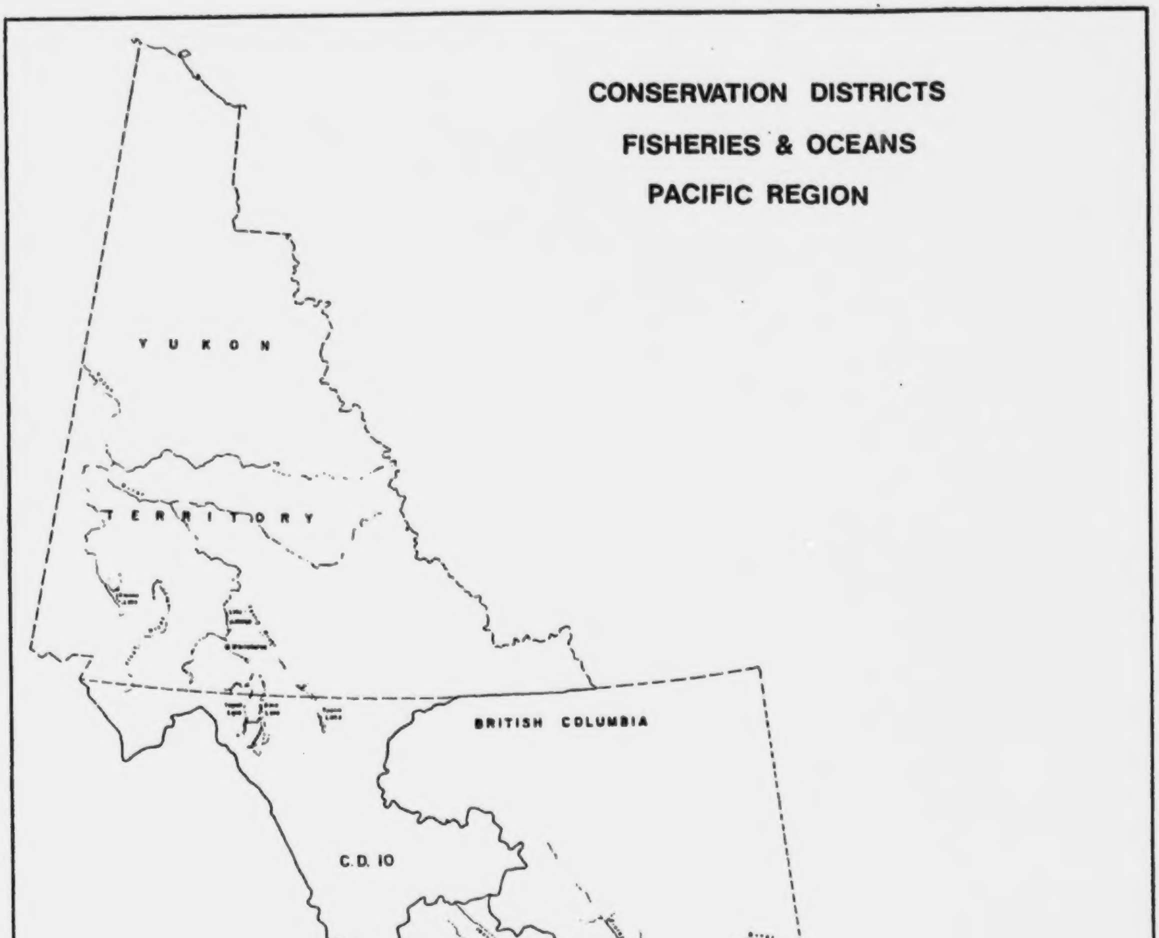

Road, Hard Surface, All Weather — 99 — 2 Lanes
" Loose Surface, All Weather — 2 Lanes
" Loose Surface, Less than 2 lanes — All Weather — Dry Weather
" Private (Logging, Mining etc.)
" Four Wheel Drive
Trail
Railway — Station — Flag Stop
Main Telephone Line
Main Electric Power Line — Along Road
Horizontal Control Station
Contours (Interval 500 feet) — 5000
Elevation in feet above mean sea-level — 2584'·6312'
Intermittent Stream
Swamp or Marsh
Dam — Dam
Spring — S
Navigation Light
Mine
Glacier
Customs Office — Cust.


House, Building
School — S
Church
" with conspicuous Tower or Spire
Post Office — P
Tower, Radio Mast, Lookout, etc.
Cemetery — Cem
Quarry
Sand or Gravel Pit
Cliff
Cutting
Embankment
Saw Mill — SM
Lighthouse
Wharf or Pier
Foreshore Flats — Sand — Mud
Swamp or Marsh
Lake or Pond, intermittent
Glacier or Snowfield
Stream, intermittent
Irrigation Canals, Ditches
Inundated Land, seasonal
Contours, elevation — 500 — 400
" depression — 500 — 400
" approximate — 500 — 400
Forest, unclassified


Surveyed timber license number — TL 2841
Lot number — L 124 or S 66
Building
School
Non-perennial stream
Marsh or Swamp
Glacier
Foreshore flats — Sand
Contours, elevation — 500
Contours, depression
Forest

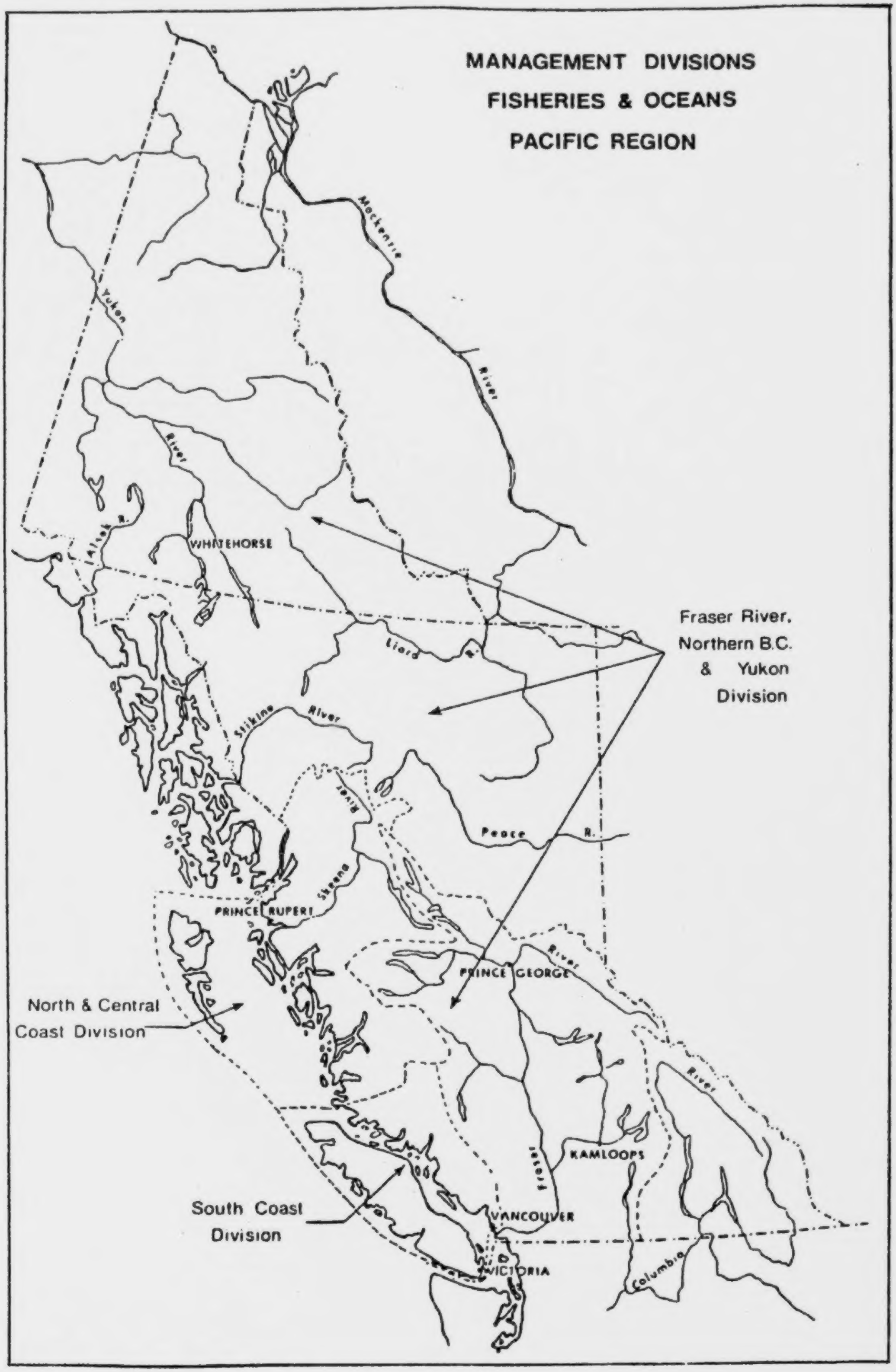

City or large town
Town
Village or settlement
Post office — P
School
Church
Boundary monument
Astronomical position
Horizontal control point
Streams
intermittent or dry
indefinite
Irrigation canal or ditch
Rapids; falls — R — F
Aerodrome
Landing ground
Intermittent lake
Marsh or swamp
Sand, gravel or mud
Wooded areas
Seaplane base
Seaplane anchorage


Streams
Highways
Roads
Trails
Houses
Railroad
Falls
Rapids
Rip-Rap
Bridges
Dam
Log Jams
Log
Power Line
Coho — CO
Chum — CM
Pink — P
Chinook — CK
Sockeye — S



CONSERVATION DISTRICTS
FISHERIES & OCEANS
PACIFIC REGION

YUKON
TERRITORY
BRITISH COLUMBIA
C.D. 10
C.D. 8
C.D. 9
QUEEN CHARLOTTE ISLAND
Queen Charlotte City
Prince Rupert
C.D. 7
C.D. 1
C.D. 5
Cape Caution
VANCOUVER ISLAND
C.D. 4
C.D. 3
C.D. 2
C.D. 6



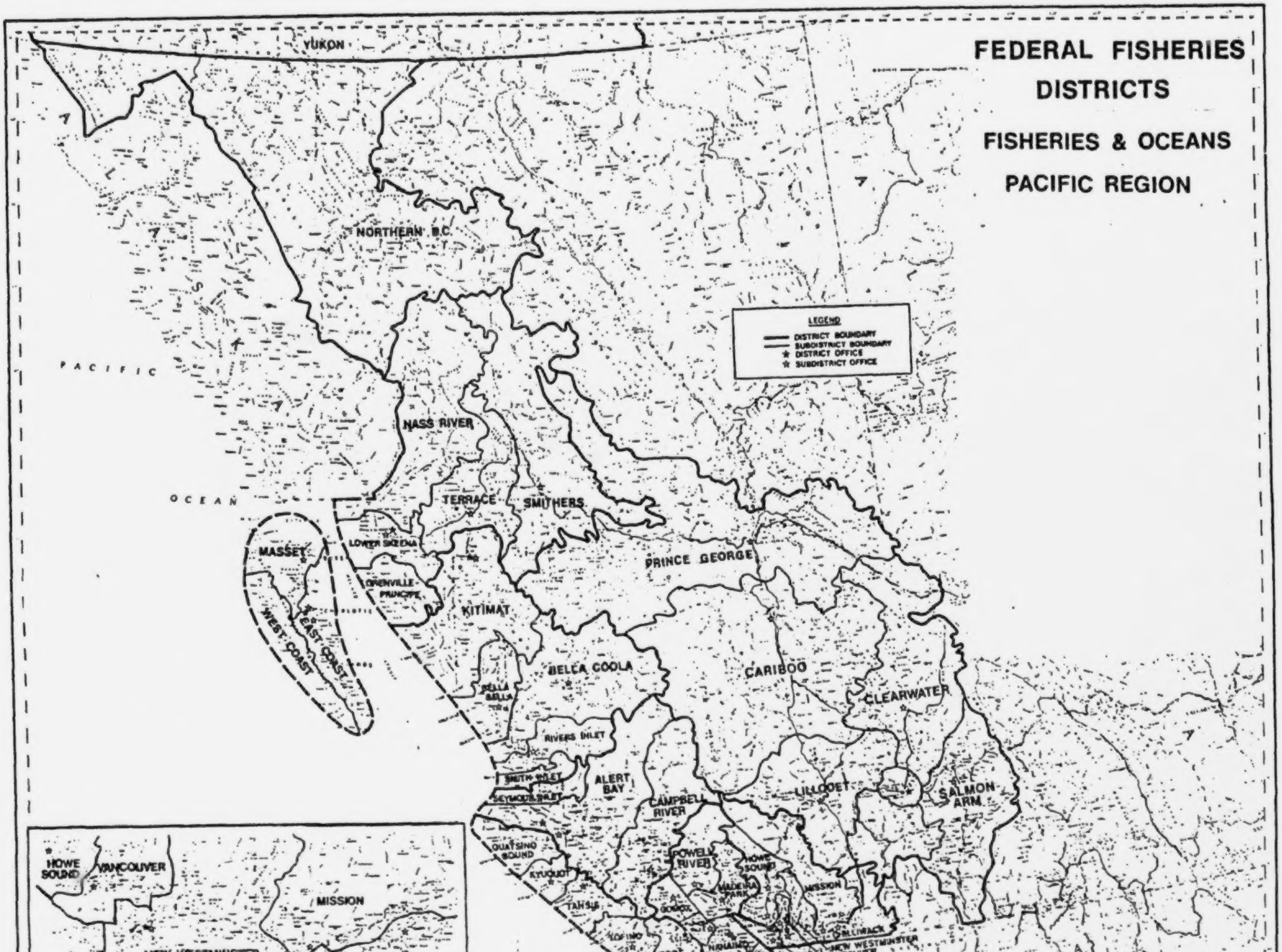
MANAGEMENT DIVISIONS
FISHERIES & OCEANS
PACIFIC REGION

Mackenzie River
Yukon
River
Alsek R.
WHITEHORSE
Liard R.
Stikine River
Finlay
Peace R.
Skeena
PRINCE RUPERT
PRINCE GEORGE
River
River
Fraser
KAMLOOPS
VANCOUVER
VICTORIA
Columbia
Fraser River,
Northern B.C.
& Yukon
Division
North & Central
Coast Division
South Coast
Division

# FEDERAL FISHERIES DISTRICTS
## FISHERIES & OCEANS

## PACIFIC REGION

| DISTRICT AND SUBDISTRICT OFFICES | ADDRESSES | TELEPHONE NUMBERS |
|---|---|---|
| **DISTRICT #1 KAMLOOPS** | 202 Federal Bldg., 317 Seymour St., Kamloops, B.C., V2C 2E9 | 374-4322 |
| Salmon Arm | Box 1160, Salmon Arm, B.C., V0E 2T0 | 832-8037 |
| Prince George | Box 267, Postal Stn. A, Prince George, B.C., V2L 4S1 | 564-7030 |
| Clearwater | P.O. Box 610, P.O. Building, Clearwater, B.C., V0E 1N0 | 674-9633 |
| Lillooet | Box 315, Lillooet, B.C., V0K 1V0 | 256-4525 |
| Cariboo | Box 4340, Quesnel, B.C., V2J 3J3 | 992-2434 |
| **DISTRICT #2 NEW WESTMINSTER** | 309 - 549 Columbia St., New Westminster, B.C., V3L 1B3 | 545-7181 |
| Surrey | 309 - 549 Columbia St., New Westminster, B.C., V3L 1B3 | 545-7181 |
| Vancouver Waterfront | 309 - 549 Columbia St., New Westminster, B.C., V3L 1B3 | 545-7181 |
| Mission | Box 3308, Mission, B.C., V2V 4J5 | 826-3664 |
| Chilliwack | Ste. 5, 9 Mary Street, Chilliwack, B.C., V2P 4G9 | 792-6011 |
| Steveston | 1255 No. 1 Road, Richmond, B.C., V7E 1T7 | 274-7217 |
| Coquitlam | 309 - 549 Columbia St., New Westminster, B.C., V3L 1B3 | 545-7181 |
| Squamish | Box 85, Squamish, B.C., V0N 3G0 | 892-3230 |
| **DISTRICT #3 NANAIMO** | 204 - 60 Front St., Nanaimo, B.C., V9R 5H7 | 876-274 |
| Parksville | Box 1120, Parksville, B.C., V0R 2S0 | 248-6710 |
| Comox | Box 1328, Comox, B.C., V9N 3Z9 | 339-2031 |
| Duncan | Box 241, Duncan, B.C., V9L 3X3 | 746-6221 |
| Powell River | 4770 Joyce Ave., Powell River, B.C., V8A 3B6 | 485-9621 |
| Pender Harbour | Box 10, Madeira Park, B.C., V0N 2H0 | 883-2313 |
| **DISTRICT #4 PORT ALBERNI** | P.O. Box 280, Federal Bldg., Port Alberni, B.C., V9Y 7M7 | 724-0195 |
| Tofino | Box 48, Tofino, B.C., V0R 2Z0 | 725-3468 |
| Tahsis | Box 549, Tahsis, B.C., V0P 1X0 | 934-6606 |
| Port Hardy | Box 10, Port Hardy, B.C., V0N 1P0 | 949-6422 |
| **DISTRICT #5 CAMPBELL RIVER** | 215 - 950 Alder St., Campbell River, B.C., V9W 2P8 | 287-2102 |
| Port Hardy | Box 10, Port Hardy, B.C., V0N 2P0 | 949-6422 |
| Alert Bay | Box 263, Alert Bay, B.C., V0N 1A0 | 974-5216 |
| **DISTRICT #6 VICTORIA** | 116 - 816 Government St., Victoria, B.C., V8W 1W9 | 566-3252 |
| Saanich | 116 - 816 Government St., Victoria, B.C., V8W 1W9 | 566-3252 |
| Sooke | Box 831, Sooke, B.C., V0S 1N0 | 642-5322 |
| **DISTRICT #7 KITIMAT** | 312 - 450 Federal Bldg., City Centre, Kitimat, B.C., V8C 1T6 | 632-6158 |
| Butedale | 312 - 450 Federal Bldg., City Centre, Kitimat, B.C., V8C 1T6 | 632-6158 |
| Bella Bella | Box 38, Bella Bella, B.C., V0T 1B0 | 957-2312 |
| Bella Coola | Box 130, Bella Coola, B.C., V0T 1C0 | 799-5345 |
| Rivers Inlet | Dawsons Landing P.O., Rivers Inlet, B.C., V0N 1M0 | Radio Ph. |
| **DISTRICT #8 PRINCE RUPERT** | 109 - 417 Second Ave. West, Prince Rupert, B.C., V8J 1G8 | 624-9137 |
| Lower Nass | 109 - 417 Second Ave. West, Prince Rupert, B.C., V8J 1G8 | 624-9137 |
| Upper Nass | P.O. Box 29, Nass Camp P.O., B.C., V0N 3J0 | 633-2408 |
| Skeena | 109 - 417 Second Ave. West, Prince Rupert, B.C., V8J 1G8 | 624-9137 |
| Grenville-Principe | 109 - 417 Second Ave. West, Prince Rupert, B.C., V8J 1G8 | 624-9137 |
| Hazelton | Box 327, Hazelton, B.C., V0J 1Y0 | 842-6327 |
| Terrace | 4721-B Lazelle Ave., Terrace, B.C., V8G 1R6 | 635-2206 |
| Smithers | Box 578, Smithers, B.C., V0J 2N0 | 847-2312 |
| **DISTRICT #9 QUEEN CHARLOTTE** | Box 99, Q.C. City, Queen Charlotte Islands, B.C., V0T 1S0 | 559-4413 |
| Sandspit | Box 222, Sandspit, B.C., V0T 1T0 | 637-5340 |
| Masset | Box 99, Masset, B.C., V0T 1M0 | 626-3316 |
| **DISTRICT #10 WHITEHORSE** | 122 Industrial Road, Whitehorse, Yukon Territories, Y1A 2T9 | 403-667-2235 |
| Haines Junction | P.O. Box 5341, Haines Junction, Y.T., Y0B 1L0 | 403-667-2235 |



FEDERAL FISHERIES DISTRICTS

FISHERIES & OCEANS PACIFIC REGION

LEGEND
DISTRICT BOUNDARY
SUBDISTRICT BOUNDARY
★ DISTRICT OFFICE
☆ SUBDISTRICT OFFICE
YUKON
ALASKA
PACIFIC OCEAN
NORTHERN B.C.
NASS RIVER
TERRACE
SMITHERS
LOWER SKEENA
MASSET
GRENVILLE-PRINCIPE
KITIMAT
WEST COAST
EAST COAST
PRINCE GEORGE
BELLA COOLA
BELLA BELLA
CARIBOO
CLEARWATER
RIVERS INLET
SMITH INLET
SEYMOUR INLET
ALERT BAY
CAMPBELL RIVER
LILLOOET
SALMON ARM
QUATSINO SOUND
KYUQUOT
TAHSIS
POWELL RIVER
HOWE SOUND
MADEIRA PARK
MISSION
COMOX
TOFINO
PORT ALBERNI
NANAIMO
DUNCAN
VICTORIA
CHILLIWACK
NEW WESTMINSTER
VANCOUVER
STEVESTON
U.S.A.
HOWE SOUND
VANCOUVER
MISSION
NEW WESTMINSTER
STEVESTON
CHILLIWACK

# STANDARDS USED ON STREAM DATA PAGE

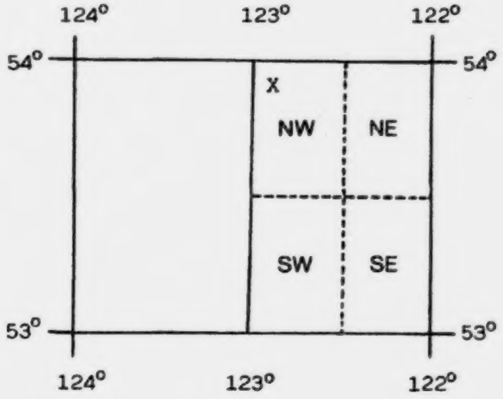
**Name of Stream**: Name as given in Gazetteer of Canada, British Columbia 1966 edition; local or non-gazetted names are added in lower case type.

**Conservation District**: As defined by the Conservation and Protection Service (April 1965).

**Statistical Area**: As defined by Department of the Environment, Fisheries Operations Statistical Map (January 1974).

**Location and Position**: Defined by quadrant indexing. Each geographical quadrilateral of the earth's surface of 1 degree in extent in latitude and longitude is divided into the SE, SW, NE and NW quarters. The south-east corner of each quadrilateral gives the initial point for the figure of reference (Gazetteer of Canada).

EXAMPLE "X"
53° 122° NW



**Length**: The portion of the stream accessible to spawning salmon.

**Width**: Average width, estimated to the nearest metre for the described length.

**Drainage**: Area in square kilometres of the entire drainage basin feeding the stream.

**Composition**:

| | |
|---|---|
| Bedrock | bedrock |
| Boulder | >256 mm |
| Coarse | 50.9 - 256 mm |
| Fine | 3.37 - 50.8 mm |
| Sand & Silt | <3.37 mm |
| Unclassified | where bottom cannot be observed,<br>e.g. log jams, pools, water colour, etc. |

**Gradient**: Expressed as a percentage

Wetted Area: Number of square metres of stream bed under water at average flows within the described length.

Spawning Area: Estimated square metres of stream bed suitable for salmon spawning within the described length.

Discharge: Mean annual discharge. Maximum and minimum values are either daily means or instantaneous discharges. The latter are identified by (Inst.). Discharge data is taken from "Historical Stream Flow Summary", British Columbia, Water Survey of Canada.

Temperature: As described. (°C)

Barriers and Points of Difficult Ascent: Complete and partial barriers to salmon and their distance from the stream mouth. Species likely to be affected may be listed. Both natural and man-made obstructions are defined.

Spawning Distribution: Portion of the stream utilized by each species. Distribution is indicated by brief comments opposite the species.

Potential of Inaccessible Portion of Stream: Indicates whether or not the inaccessible portion of the stream could be utilized by spawning salmon.

General Remarks: Emphasizes features of stream and spawning populations. Also includes industrial activity, routes of accessibility, etc. The comments with dates are taken from "Annual Reports of Salmon Streams & Spawning Grounds" (B.C. 16's). In some cases, references to additional information not included in the General Remarks may be given.

Escapement Records: The escapement represents the mid point of the coded range of escapement for each species. For example: the letter "H" representing 5000-10000 fish would be entered as 7500. Where absolute numbers are provided by Fisheries Personnel, these numbers are entered. N/O means the stream was inspected but no fish were observed; UNK means there was evidence of fish present but no estimates were made; NO RECORDS means no escapement records for the applicable years could be found in the escapement files.

Timing: Dates which salmon arrive in the stream, begin to spawn, reach peak spawning period and finish spawning.

E = early (1st to 10th of the month)
M = mid (11th to 20th of the month)
L = late (21st to end of the month)

NB: Distance references are from the mouth of the stream unless otherwise stated.

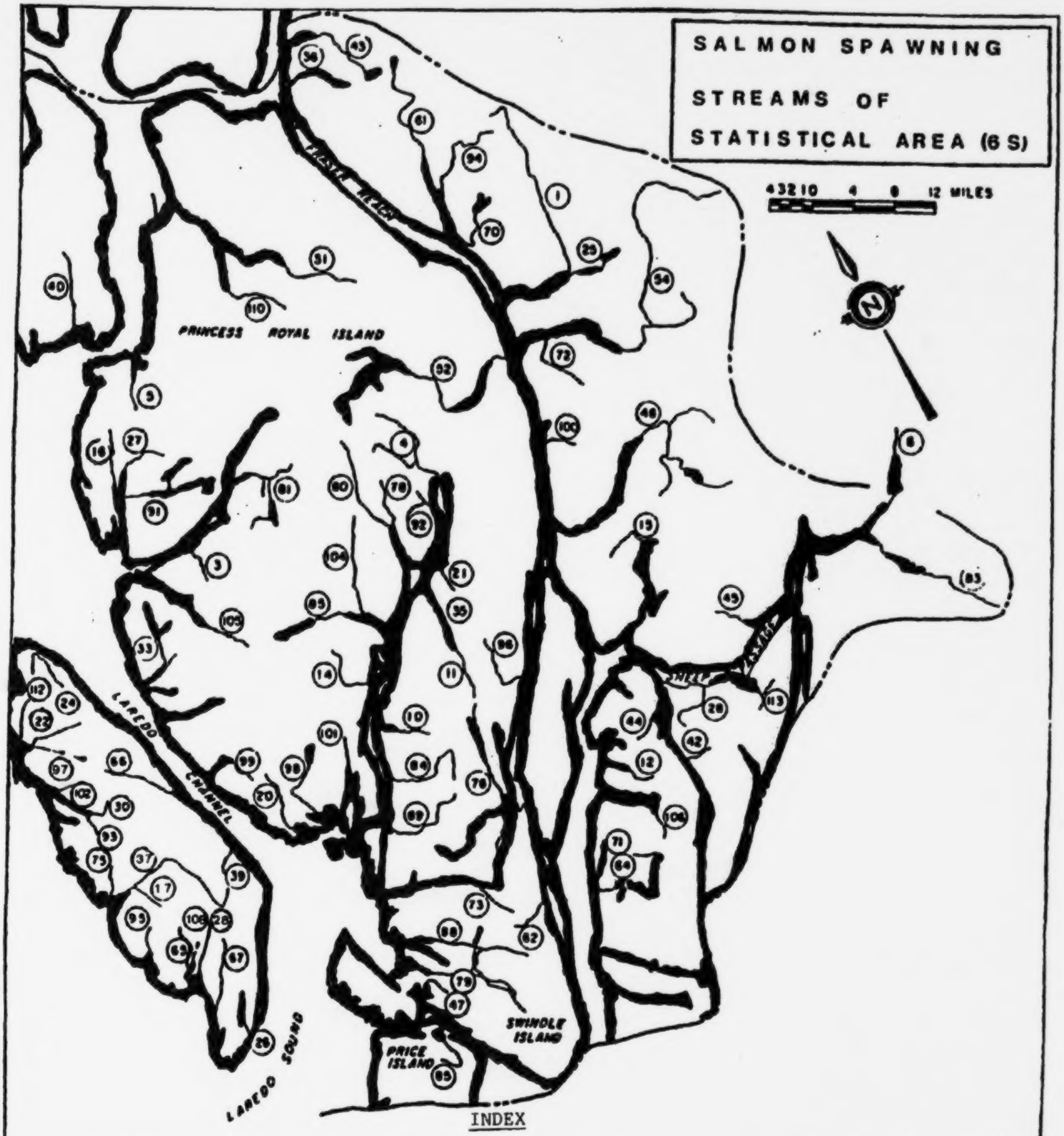
ESCAPEMENT RECORD FOR STATISTICAL AREA 6 (SOUTH)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | 30325 |  | 78200 | 166050 | 75125 |  |
| 48 |  |  | 83075 | 7525 | 100125 |  |
| 49 | 24875 | 1500 | 63875 | 150000 | 126950 |  |
| 50 | 33025 | 1700 | 41075 | 112325 | 74475 |  |
| 51 | 15230 | 1700 | 78900 | 89065 | 119650 |  |
| 52 |  |  | 3500 | 8250 | 114150 |  |
| 53 | 21400 | 1700 | 56900 | 120475 | 75625 |  |
| 54 | 18025 | 950 | 50925 | 120075 | 92750 |  |
| 55 | 17675 | 1575 | 66150 | 54300 | 94775 |  |
| 56 | 14000 | 750 | 80350 | 52675 | 173025 |  |
| 57 | 22250 | 100 | 86450 | 97800 | 52250 |  |
| 58 | 11725 | 1725 | 37000 | 81375 | 127800 |  |
| 59 | 17176 | 200 | 28075 | 13600 | 114100 | 25 |
| 60 | 13625 | 125 | 31550 | 123700 | 187250 |  |
| 61 | 7150 | 100 | 32850 | 47975 | 285325 | 200 |
| 62 | 11975 | 425 | 46675 | 110625 | 574450 |  |
| 63 | 18600 | 2000 | 122800 | 61525 | 402875 |  |
| 64 | 11750 | 1550 | 39250 | 164125 | 343325 | 25 |
| 65 | 9800 | 1575 | 48125 | 43500 | 130275 |  |
| 66 | 10040 |  | 7330 | 34915 | 255400 |  |
| 67 | 13025 | 225 | 7450 | 55600 | 22725 |  |
| 68 | 5700 |  | 31935 | 51302 | 244590 |  |
| 69 | 2175 | 12 | 12620 | 25378 | 60865 |  |
| 70 | 5150 |  | 17025 | 32975 | 171725 |  |
| 71 | 4050 | 25 | 14750 | 26900 | 167975 |  |
| 72 | 2575 |  | 24125 | 42200 | 128050 |  |
| 73 | 18925 |  | 7500 | 102900 | 113740 |  |
| 74 | 8000 |  | 12270 | 34525 | 87044 |  |
| 75 | 6000 |  | 14525 | 47918 | 78270 |  |
| 76 | 5500 | 20 | 19043 | 28420 | 368868 |  |
| 77 | 6563 | 30 | 12490 | 31241 | 47980 |  |
| 78 | 5050 | 10 | 8325 | 35725 | 176255 |  |
| 79 | 4850 |  | 13920 | 23200 | 147280 |  |
| 80 | 3380 | 60 | 5795 | 14922 | 198824 |  |
| 81 |  |  |  |  |  |  |
| 82 |  |  |  |  |  |  |
| 83 |  |  |  |  |  |  |
| 84 |  |  |  |  |  |  |
| 85 |  |  |  |  |  |  |

TIMING:

|  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|
| ARRIVE |  |  |  |  |  |  |
| START |  |  |  |  |  |  |
| PEAK |  |  |  |  |  |  |
| END |  |  |  |  |  |  |

REMARKS


SALMON SPAWNING STREAMS OF STATISTICAL AREA (6 S)

4 3 2 1 0 4 8 12 MILES
N
PRINCESS ROYAL ISLAND
FRASER REACH
LAREDO CHANNEL
LAREDO SOUND
SHEEP PASSAGE
SWINDLE ISLAND
PRICE ISLAND

## INDEX

Aaltanhash River (1)

Angle Cove Creek (36)
(Angler's Cove Ck.,
Fisherman's Cove Ck.)

Argyh Creek (3)

Arnoup Creek (4)

Barnard Creek (5)
(Barnard Bay Ck.,
Barnard Cove Ck.)

Blee Creek (10)
(Alston Ck.)

Bloomfield Creek (11)

Busey Creek (14)

Canoona River (52)
(Indian R.,
Kootowis R.)

Chapple Creek (16)

Clifford Creek (37)

Dallain Creek (20)

Dally Creek (21)

Deep Bay Creek (22)
(Borrowman Ck.)

Devil Creek (24)

Dome Creek (25)
(Head Ck.)

Don Creek (26)

Douglas Creek (27)

Duffey Creek (28)

Eagle Creek (30)

## INDEX TO MAP OF SPAWNING STREAMS OF STATISTICAL AREA 6 (SOUTH) - (Cont'd)

East Arm Creek (31)

Evinrude Creek (33)

Fifer Cove Creek (35)

Flux Creek Creek (17)

Fury Creek (39)

Gil Creek (40)

Goat Harbour Creek (43)
(Goat Cove Ck., Goat
R.)

Green Inlet Creek (46)
(Green Inlet R., Green
R.)

Gull Creek (47)

Kdelmashan Creek (64)
(Lagoon Ck.)

Khutze River (54)

Klekane River (61)

Kwakwa Creek (88)
(Kwa Kwa Ck.,
Qua Qua Ck.)

Limestone Creek (66)

Linnea Creek (67)

Marmot Cove Creek (70)

Marshall Creek (72)

MacDonald Creek (75)

McKay Creek (76)
(Little Ck.)

McMicking Creek (76)
(see pg. for location)

Meyers Pass Creek (73)
(Meyers Creek)

Nias Creek (78)

Osment Creek (79)

Packe Creek (80)

Penn Creek (81)
(Adams Ck.)

Powles Creek (84)

Price Creek (85)

Pyne Creek (86)

Quigley Creek (89)

Roland Creek (91)

Ronald Creek (92)

Salmon Creek (93)

Scow Bay Creek (94)

Sentinel Creek (95)

Soda Creek (96)

Stannard Creek (97)

Steep Creek (98)

Talamoosa Creek (99)

Taylor Creek (100)

Trahey Creek (101)

Trenaman Creek (102)

Tyler Creek (104)

Wale Creek (105)

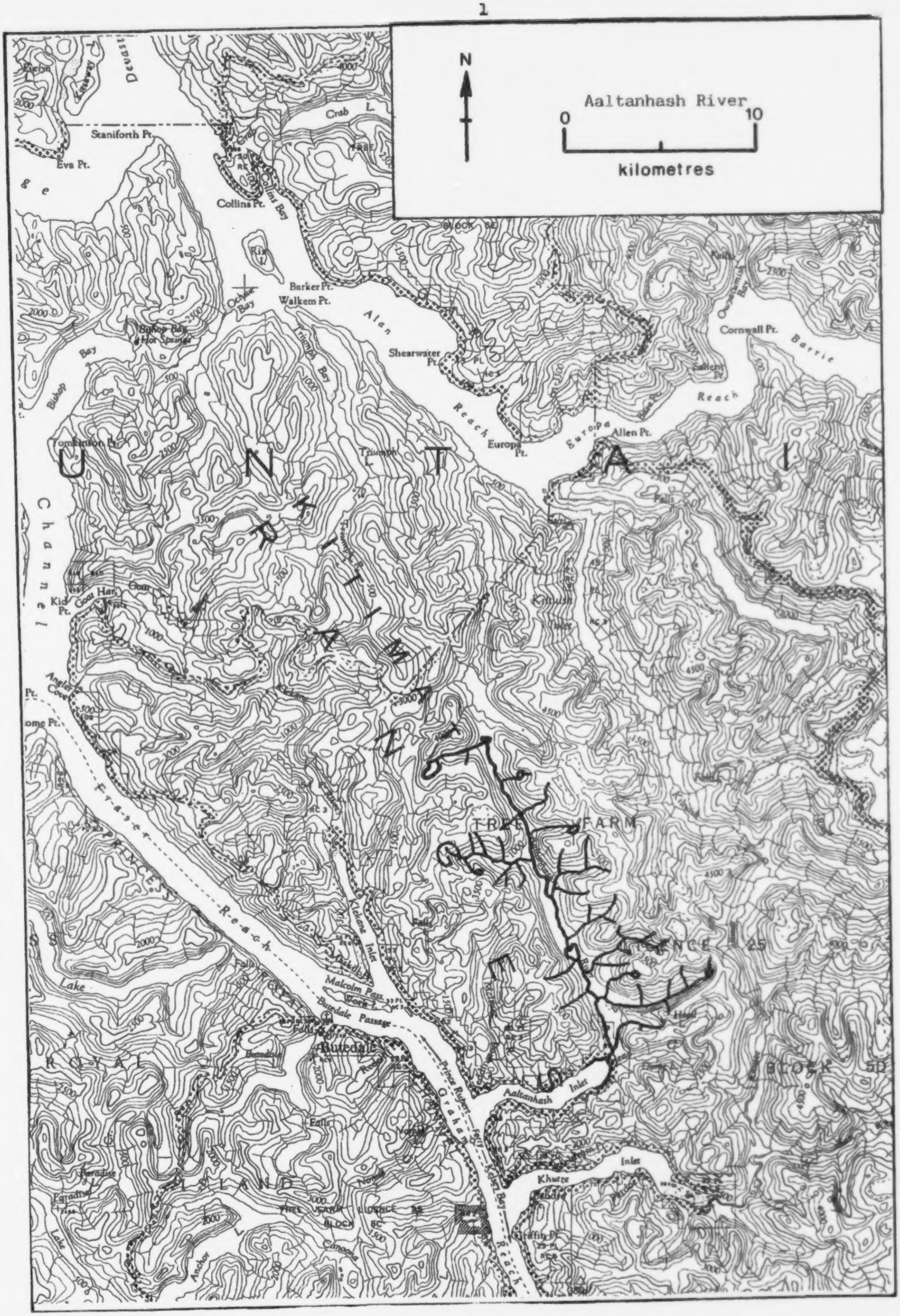
Weeteeam Creek (108)
(Noble Ck.)

West Creek (112)

West Arm Creek (110)

# STREAM DATA

## STATISTICAL AREA 6 (SOUTH)


N
Aaltanhash River
0
10
kilometres
Staniforth Pt.
Eva Pt.
Collins Pt.
Crab L.
Barker Pt.
Walkem Pt.
Bishop Bay Hot Springs
Bishop Bay
Tomkinson Pt.
Shearwater Pt.
Alan Reach
Europa Pt.
Europa Reach
Allen Pt.
Cornwall Pt.
Barrie Reach
U N T A I
K I T I M A T R A N G E S
Triumph Bay
Triumph
Kitkiata Inlet
Channel
Kid Pt.
Goat Har.
Angler Cove
Fraser Reach
Princess Royal Reach
Klekane Inlet
Malcolm Pass.
Butedale Passage
Butedale
ROYAL ISLAND
TREE FARM LICENCE 25
BLOCK 5D
BLOCK 5E
TREE FARM LICENCE 25 BLOCK 5C
Aaltanhash Inlet
Khutze Inlet
Graham Reach
Prince Rupert
Paradise
Lake
Canoona
Anchor
Falls

NAME OF STREAM AALTANHASH RIVER

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows S. into aaltanhash Inlet, Rge. 4, Coast Dist.

POSITION 53° N 128° W

LENGTH 4.0 km WIDTH m DRAINAGE km$^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m$^2$ SPAWNING AREA m$^2$

DISCHARGE (m$^3$/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 4.0 km
- Passable falls at 2.0 km upstream from mouth

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | - to passable falls and above |
| COHO | - to passable falls and above |
| CHUM | - to 2.0 km |
| PINK (ODD YEAR) | - to 2.0 km |
| PINK (EVEN YEAR) | - to 2.0 km |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1949. Excellent spawning gravel

-1950. Canyon lies about 2.0 km upstream from mouth

-1951. Poor spawning habitat in lower 0.8 km, fair spawning gravel in 0.8 km - 2.0 km (canyon) section

-1956. Inlet closed to net fishing

-1969. Good spawning gravel in upper reaches

-1974. Some scouring of streambed and loss of spawn caused by October 15th flood

-1975. Good potential

-1980. High flow in late December may have caused some erosion in the system

- Limited predation by bears and birds

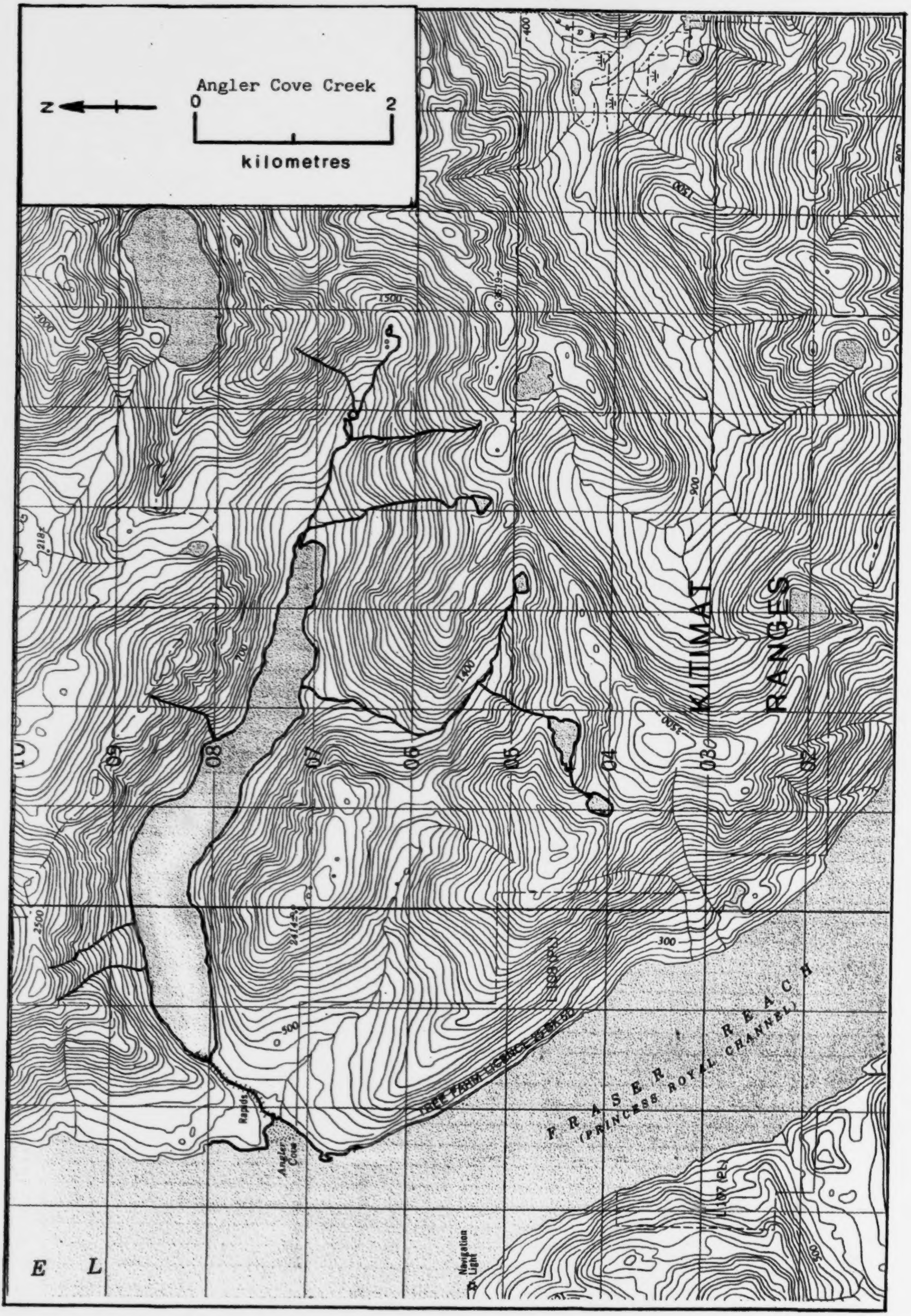
ESCAPEMENT RECORD FOR AALTANHASH RIVER

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 200 | 750 | 750 | |
| 48 | | | 750 | | 750 | |
| 49 | | | 400 | 750 | 1500 | |
| 50 | | 200 | 75 | 750 | 1500 | |
| 51 | | 200 | 700 | 100 | 3300 | |
| 52 | | | | | 750 | |
| 53 | | 200 | 75 | 1500 | 1500 | |
| 54 | | 200 | 400 | 75 | 200 | |
| 55 | | 75 | 75 | 75 | 750 | |
| 56 | | UNK | 75 | 1500 | 750 | |
| 57 | | 25 | 750 | N/0 | N/0 | |
| 58 | | 200 | 750 | 750 | 1500 | |
| 59 | | 25 | 400 | 25 | 3500 | |
| 60 | | 75 | 1500 | 3500 | 3500 | |
| 61 | | 75 | 750 | 75 | 7500 | |
| 62 | | 400 | 400 | 3500 | 15000 | |
| 63 | | 400 | 750 | 1500 | 15000 | |
| 64 | | 25 | 3500 | 3500 | 15000 | |
| 65 | | 75 | 750 | 200 | 7500 | |
| 66 | | N/0 | 10 | 200 | 3000 | |
| 67 | | 25 | 200 | 3500 | N/0 | |
| 68 | | | 200 | 400 | 1500 | |
| 69 | | 12 | 400 | 30 | 120 | |
| 70 | | | 200 | 200 | 3500 | |
| 71 | | | 200 | 400 | 2000 | |
| 72 | | N/0 | 200 | 100 | 1500 | |
| 73 | | N/0 | N/0 | 100 | 500 | |
| 74 | | | 150 | 150 | 300 | |
| 75 | | | N/0 | N/0 | N/0 | |
| 76 | | | 1000 | | 200 | |
| 77 | 3 | | 75 | N/0 | 1000 | |
| 78 | | 2 | 20 | 20 | 350 | |
| 79 | | | 200 | N/0 | 700 | |
| 80 | | | 40 | 5 | 400 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | SEPT | L. AUG | L. AUG | |
| START | | | SEPT | E. SEPT | E. SEPT | |
| PEAK | | | OCT | M. SEPT | M. SEPT | |
| END | | | NOV | L. SEPT | L. SEPT | |

REMARKS


Angler Cove Creek
N
0
2
kilometres
KITIMAT
RANGES
FRASER REACH
(PRINCESS ROYAL CHANNEL)
TREE FARM LICENCE
Rapids
Angler Cove
Navigation Light
E
L
10
09
08
07
06
05
04
03
02
1500
1400
1300
1200
900
800
700
500
400
300
2000
2500

NAME OF STREAM ANGLER COVE CREEK (Angler's Cove Creek, Fisherman's Cove Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Angler Cove at the S. end of Ursula Chan., Rge. 4, Coast Dist. POSITION 53° N 128° W

LENGTH 0.4 km WIDTH ______ m DRAINAGE ______ $km^2$

COMPOSITION: BEDROCK ______ BOULDER ______ COARSE ______ FINE ______

SILT & SAND ______ UNCLASSIFIED ______

| PERCENT GRADIENT | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA ______ $m^2$ SPAWNING AREA ______ $m^2$

DISCHARGE ($m^3/s$) ______

TEMPERATURE (°C) ______

BARRIERS OR POINTS OF DIFFICULT ASCENT ______

Rock falls 0.4 km from mouth to lake outlet. Impassable

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - mouth to falls |
| CHUM | - mouth to falls |
| PINK (ODD YEAR) | - mouth to falls |
| PINK (EVEN YEAR) | - mouth to falls |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ______

GENERAL REMARKS ______

-1951, 1958. Kokane observed in lake

-1957, 1958. Good trout area in lake watershed

-1958. Recommended survey of lake to assess its potential for supporting sockeye, but no further action was taken

-1962. Very high water levels created pools beside falls, enabling some chum salmon to get above falls

-1964. Poor observation conditions

-1968. No recorded spawning since 1962, therefore suggested that this stream be removed from active files

-1969-1971. Very short stream with large rocky substrate, few areas of spawning gravel and very limited spawning potential

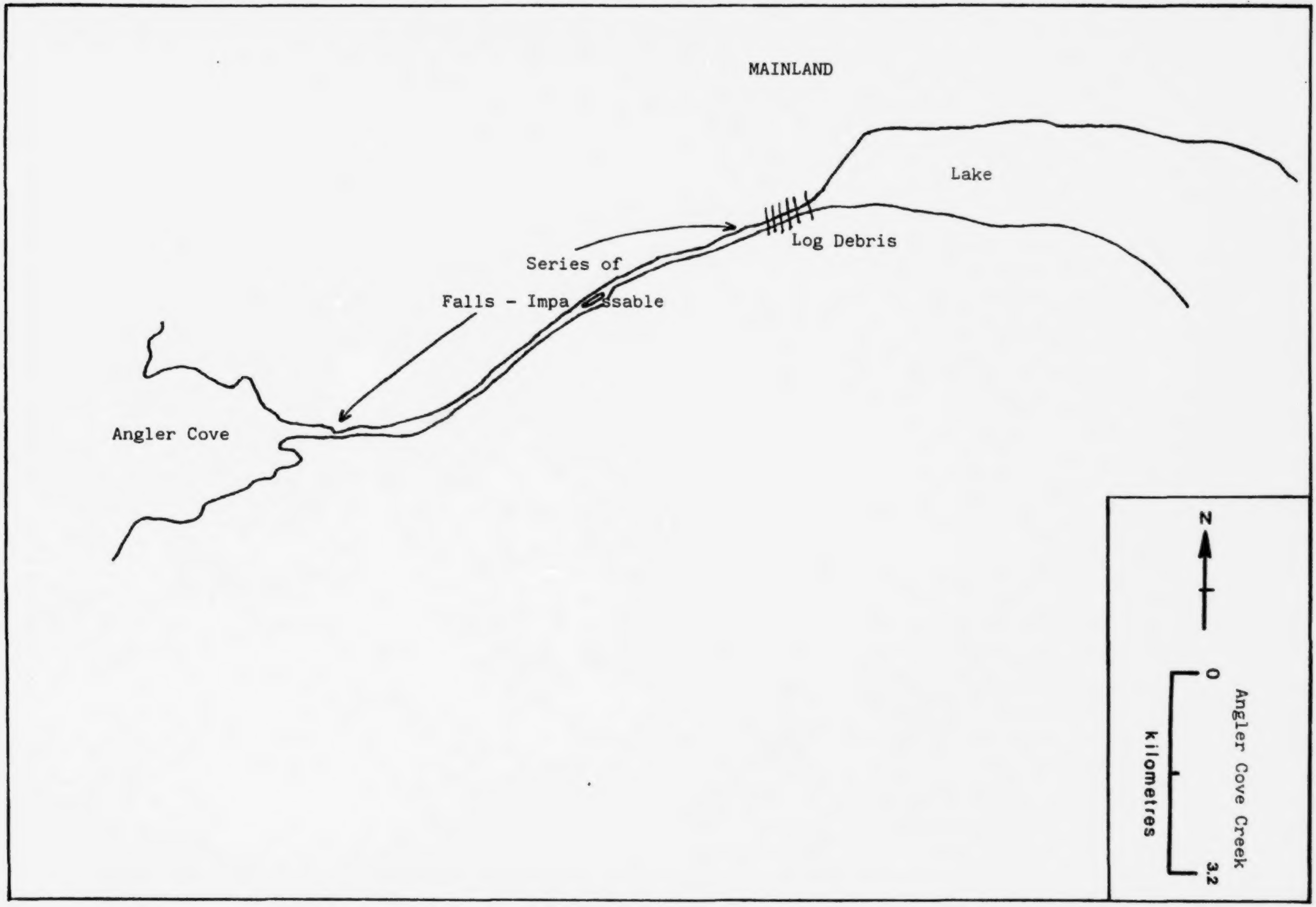
-1975. First records of pink and chum spawners in 12 yrs

GENERAL REMARKS (cont'd) - Angler Cove Creek

-1978. Fish reported in creek

-1980. High water in late December may have caused some streambed erosion

- Subject to seasonal fluctuations in water levels


MAINLAND
Lake
Log Debris
Series of Falls - Impassable
Angler Cove
N
0
3.2
kilometres
Angler Cove Creek

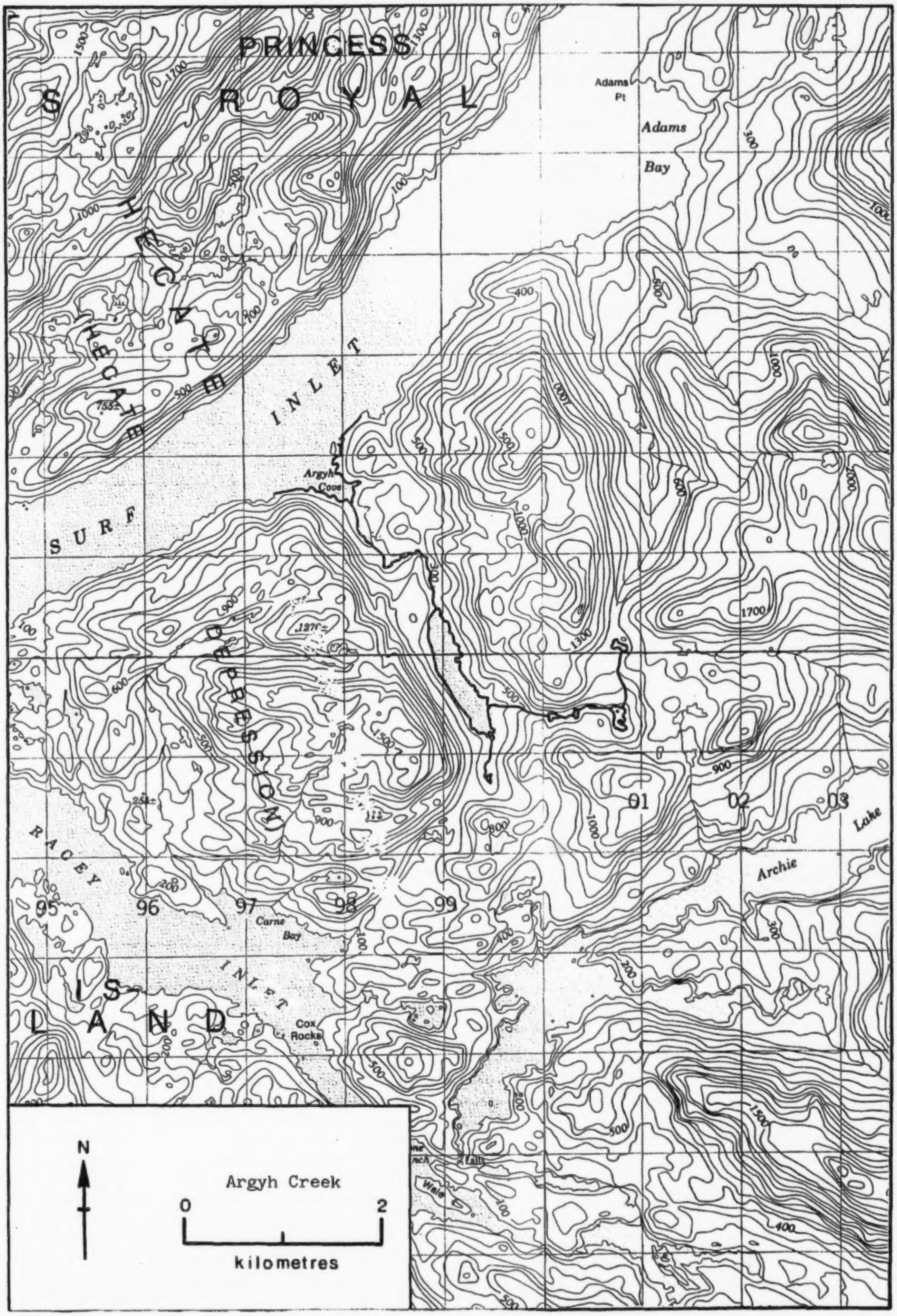
ESCAPEMENT RECORD FOR ANGLER COVE CREEK (Angler's Cove Creek, Fisherman's Cove Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 25 | 3500 | 1500 | |
| 48 | | | NO RECORD | | | |
| 49 | | | 25 | 1500 | 1500 | |
| 50 | | | N/O | 200 | 750 | |
| 51 | | | 75 | 1800 | 2000 | |
| 52 | | | NO RECORD | | | |
| 53 | | | 25 | 200 | 200 | |
| 54 | | | 75 | 200 | 1500 | |
| 55 | | | 75 | 750 | 200 | |
| 56 | | | 25 | 400 | 1500 | |
| 57 | | | | 75 | 25 | |
| 58 | | | N/O | 400 | 400 | |
| 59 | | | 25 | 25 | 25 | |
| 60 | | | N/O | N/O | N/O | |
| 61 | | | N/O | N/O | 25 | |
| 62 | | | 25 | 400 | N/O | |
| 63 | | | 75 | 400 | 25 | |
| 64 | | | N/O | N/O | N/O | |
| 65 | | | N/O | N/O | N/O | |
| 66 | | | N/O | N/O | N/O | |
| 67 | | | 200 | N/O | N/O | |
| 68 | | | | | | |
| 69 | | | | | | |
| 70 | | | NO FISH OBSERVED | | | |
| 71 | | | 1968 - 1974 | | | |
| 72 | | | | | | |
| 73 | | | | | | |
| 74 | | | | | | |
| 75 | | | | 30 | 14 | |
| 76 | | | | | N/O | |
| 77 | | | | N/O | N/O | |
| 78 | | | | 30 | 25 | |
| 79 | | | | N/O | N/O | |
| 80 | | | | N/O | N/O | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING:

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | AUG | AUG | AUG | |
| START | | | AUG | AUG | AUG | |
| PEAK | | | SEPT | L AUG | SEPT | |
| END | | | OCT | SEPT | SEPT | |

REMARKS


PRINCESS ROYAL ISLAND
HECATE STRAIT
(HECATE DEPRESSION)
SURF INLET
RACEY INLET
Adams Pt
Adams Bay
Argyh Cove
Carne Bay
Cox Rocks
Archie Lake
Falls
Weir
95
96
97
98
99
01
02
03
1500
1700
1000
700
500
300
100
400
600
900
1300
2000
200
755±
1270±
255±
N
Argyh Creek
0
2
kilometres

NAME OF STREAM (Argyh Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Argyh Cove, S. shore of Surf Inlet, Rge. 3, Coast Dist.

POSITION 52° N 129° W

LENGTH 2.4 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

| PERCENT GRADIENT | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

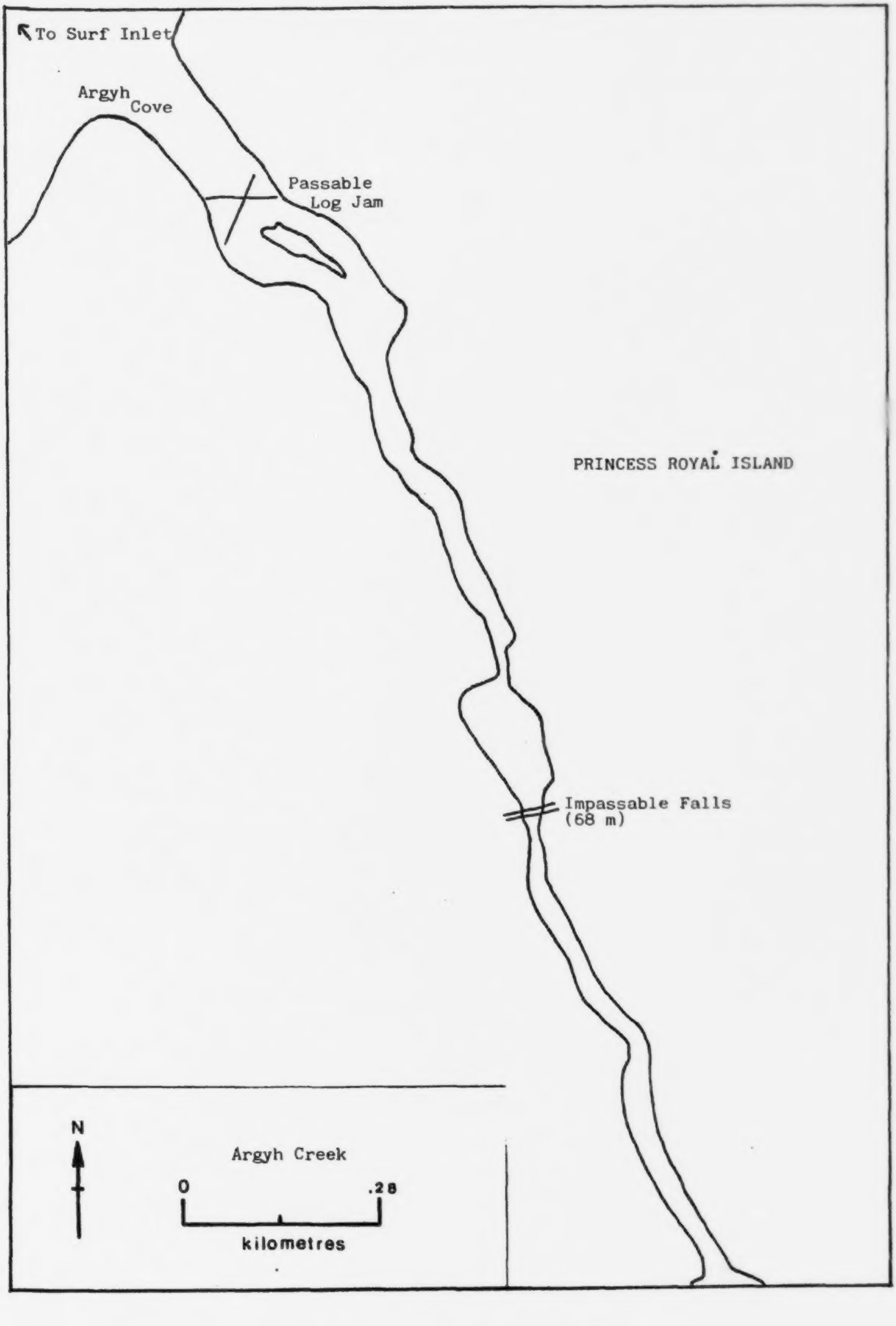
SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - within 1.2 km of tidal water |
| CHUM | - within 1.2 km of tidal water |
| PINK (ODD YEAR) | - within 1.2 km of tidal water |
| PINK (EVEN YEAR) | - within 1.2 km of tidal water |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

- Steep rocky creek, with little spawning gravel, limited spawning potential, and normal seasonal fluctuations in water levels


To Surf Inlet
Argyh Cove
Passable Log Jam
PRINCESS ROYAL ISLAND
Impassable Falls (68 m)
N
Argyh Creek
0
.28
kilometres

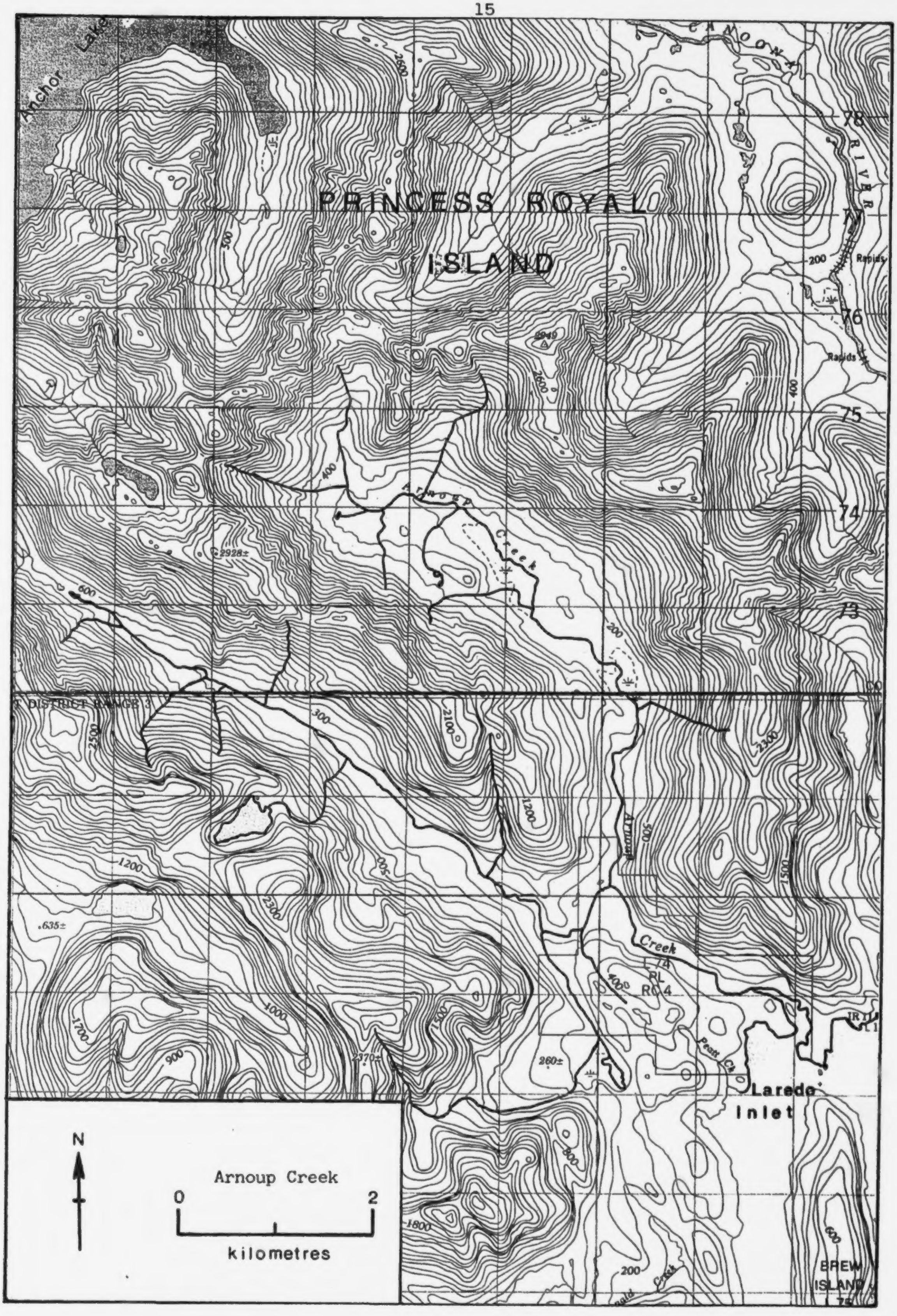
ESCAPEMENT RECORD FOR (Argyh Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 25 | 75 | 25 | |
| 48 | | | 25 | | 25 | |
| 49 | | | 25 | 75 | 25 | |
| 50 | | | 25 | 75 | 25 | |
| 51 | | | 100 | 25 | 50 | |
| 52 | | | | | 200 | |
| 53 | | | 25 | 25 | 25 | |
| 54 | | | 75 | 25 | 25 | |
| 55 | | | 400 | 200 | 25 | |
| 56 | | | 750 | 400 | 750 | |
| 57 | | | 200 | 25 | N/O | |
| 58 | | | 200 | 75 | 200 | |
| 59 | | | 200 | 25 | 200 | |
| 60 | | | 75 | 25 | 200 | |
| 61 | | | 200 | 25 | 200 | |
| 62 | | | 200 | 400 | 400 | |
| 63 | | | 200 | 75 | 200 | |
| 64 | | | UNK | UNK | UNK | |
| 65 | | | UNK | UNK | UNK | |
| 66 | | | N/O | N/O | N/O | |
| 67 | | | N/O | N/O | N/O | |
| 68 | | | N/O | N/O | N/O | |
| 69 | | | N/O | N/O | N/O | |
| 70 | | | N/O | N/O | N/O | |
| 71 | | | N/O | N/O | N/O | |
| 72 | | | NOT INSPECTED | | | |
| 73 | | | NOT INSPECTED | | | |
| 74 | | | N/O | N/O | N/O | |
| 75 | | | N/O | N/O | N/O | |
| 76 | | | | 225 | | |
| 77 | | | N/O | N/O | N/O | |
| 78 | | | | 5 | 10 | |
| 79 | | | | N/O | N/O | |
| 80 | | | | N/O | N/O | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

| TIMING | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | | | |
| START | | | | | | |
| PEAK | | | | | | |
| END | | | | | | |

REMARKS

- 1965. Creek was dry during spawning period. No salmon observed at mouth or vicinity.


Anchor Lake
CANOONA
RIVER
PRINCESS ROYAL
ISLAND
Rapids
Rapids
Arnoup
Creek
Arnoup
Creek
Peatt Ck
Laredo
Inlet
BREW
ISLAND
DISTRICT RANGE 3
L 74
PL
RC 4
2928±
2949
635±
370±
260±
78
77
76
75
74
73
200
400
600
300
500
800
900
1000
1200
1500
1700
1800
2100
2300
2370±
2500
2600
N
Arnoup Creek
0
2
kilometres

NAME OF STREAM ARNOUP CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows SE. into head of Laredo Inlet. Rge. 3. Coast Dist.

POSITION 52°N 128°W

LENGTH 4.0 km WIDTH ____ m DRAINAGE ____ km²

COMPOSITION: BEDROCK ____ BOULDER ____ COARSE ____ FINE ____

SILT & SAND ____ UNCLASSIFIED ____

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA ____ m² SPAWNING AREA ____ m²

DISCHARGE (m³/s) ____

TEMPERATURE (°C) ____

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Passable obstruction 3.2-4.8 km from mouth on left fork. Feasibility of passage depends on water levels
- Impassable falls 4.0 km upstream from mouth on right fork

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - above falls on left fork |
| CHUM | - primarily on left fork from tidal water to falls |
| PINK (ODD YEAR) | - to falls on right fork and scattered through lower 1.6 km on left fork |
| PINK (EVEN YEAR) | - to falls on right fork |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ____

GENERAL REMARKS

-1955. Light seeeding of river

-1956. Light seeding continued inspite of additional protection afforded Arnoup Cr. stocks

-1964. Heavy fishing of stocks off creek mouth

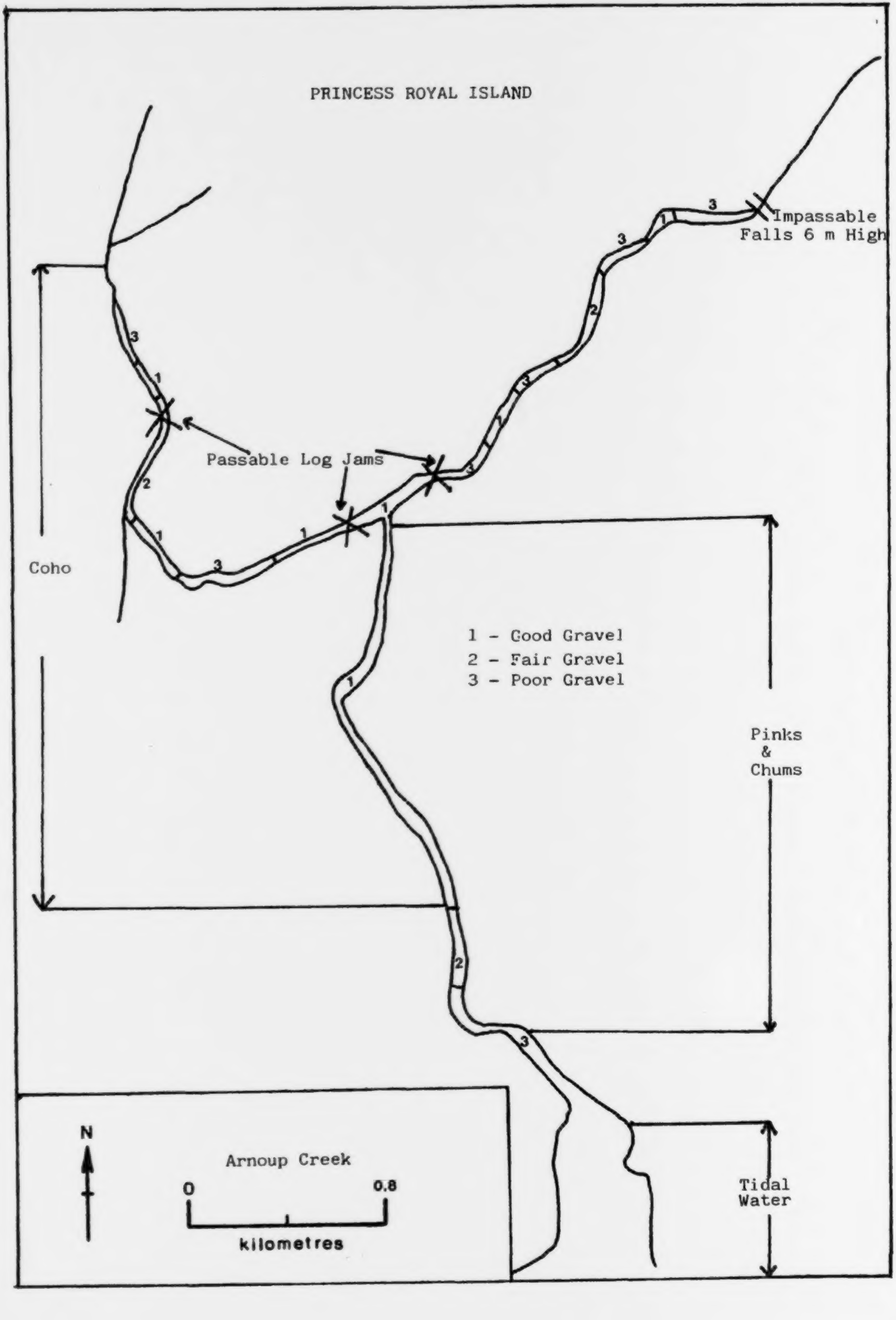
-1965. High water in October may have destroyed some spawn

-1972. Pinks experienced difficulty passing 1st falls when water was low

-1979. High water levels made assessment difficult

-1980. Suggested that the feasibility of reworking falls on left fork, to enable pinks to use the habitat beyond, be studied. December flood my have caused some scouring and erosion to the system

- Lightly and evenly spawned over available habitat
- Subject to low summer flows as well as fall and winter floods
- Some predation by bears, wolves, birds, and seals

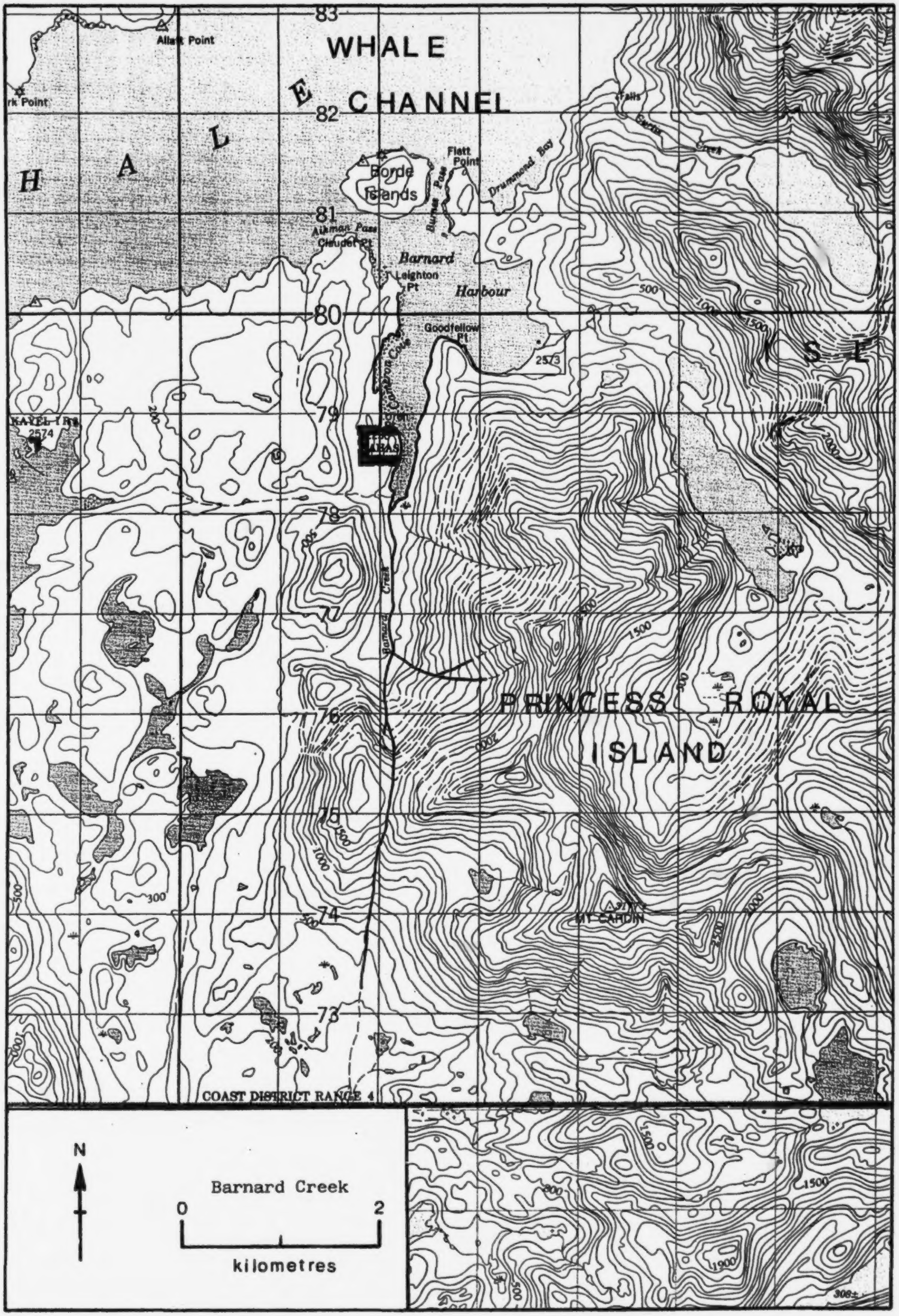

PRINCESS ROYAL ISLAND
Impassable Falls 6 m High
Passable Log Jams
Coho
Pinks & Chums
Tidal Water
1 - Good Gravel
2 - Fair Gravel
3 - Poor Gravel
N
Arnoup Creek
0
0.8
kilometres
1
2
3

ESCAPEMENT RECORD FOR ARNOUP CREEK

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 750 | 7500 | 1500 | |
| 48 | | | 1500 | | 3500 | |
| 49 | | | 75 | 200 | 1500 | |
| 50 | | | 400 | 3500 | 1500 | |
| 51 | | | 1650 | 1800 | 800 | |
| 52 | | | | | 1500 | |
| 53 | | | 200 | 750 | 200 | |
| 54 | | | 750 | 3500 | 3500 | |
| 55 | | | 25 | 25 | 200 | |
| 56 | | | 200 | 25 | 1500 | |
| 57 | | | 200 | 25 | 400 | |
| 58 | | | 200 | 7500 | 3500 | |
| 59 | | | 750 | N/O | 3500 | |
| 60 | 25 | | 400 | 750 | 7500 | |
| 61 | | | 400 | 1500 | 7500 | |
| 62 | | | 1500 | 25 | 100000 | |
| 63 | | | 1500 | 25 | 35000 | |
| 64 | | | N/O | 7500 | 75000 | |
| 65 | | | 1500 | 200 | 35000 | |
| 66 | | | N/O | 100 | 6000 | |
| 67 | | | 25 | 200 | N/O | |
| 68 | | | 3500 | N/O | 15000 | |
| 69 | | | 100 | 700 | 8000 | |
| 70 | | | 200 | 750 | 15000 | |
| 71 | | | 400 | 750 | 3000 | |
| 72 | | | 400 | 750 | 40000 | |
| 73 | | | 400 | 5000 | 4000 | |
| 74 | | | 400 | 1000 | 3500 | |
| 75 | | | 250 | 3000 | 1500 | |
| 76 | | | 200 | 75 | 40000 | |
| 77 | | | 1100 | 8000 | 3000 | |
| 78 | | | 400 | 250 | 35000 | |
| 79 | | | 400 | 500 | 2000 | |
| 80 | 4 | | 210 | 250 | 50000 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

| TIMING | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | L. AUG | L. AUG | L. JULY | |
| START | | | M. SEPT | E. SEPT | M. AUG | |
| PEAK | | | OCT | M. SEPT | M. SEPT | |
| END | | | NOV | M. OCT | L. SEPT | |

REMARKS


WHALE CHANNEL
W H A L E
Allak Point
rk Point
Borde Islands
Flatt Point
Drummond Bay
Burnes Pass
Aikman Pass
Claudet Pt
Barnard Harbour
Leighton Pt
Goodfellow Pt
Cameron Cove
Barnard Creek
Falls Creek
2573
2574
KAYEL I R 8
I S L
PRINCESS ROYAL ISLAND
MT CARDIN
COAST DISTRICT RANGE 4
83
82
81
80
79
78
77
76
75
74
73
200
300
500
1000
1500
2000
2500
800
1900
N
Barnard Creek
0
2
kilometres

NAME OF STREAM BARNARD CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows NW into Barnard Harbour, Princess Royal Is., Rge.4, Coast Dist. POSITION 53°N 129°W

LENGTH 4.0 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - throughout |
| CHUM | - throughout |
| PINK (ODD YEAR) | - throughout |
| PINK (EVEN YEAR) | - throughout |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1956. Some crowding in lower reaches. A late run of spawners was observed at the end of September

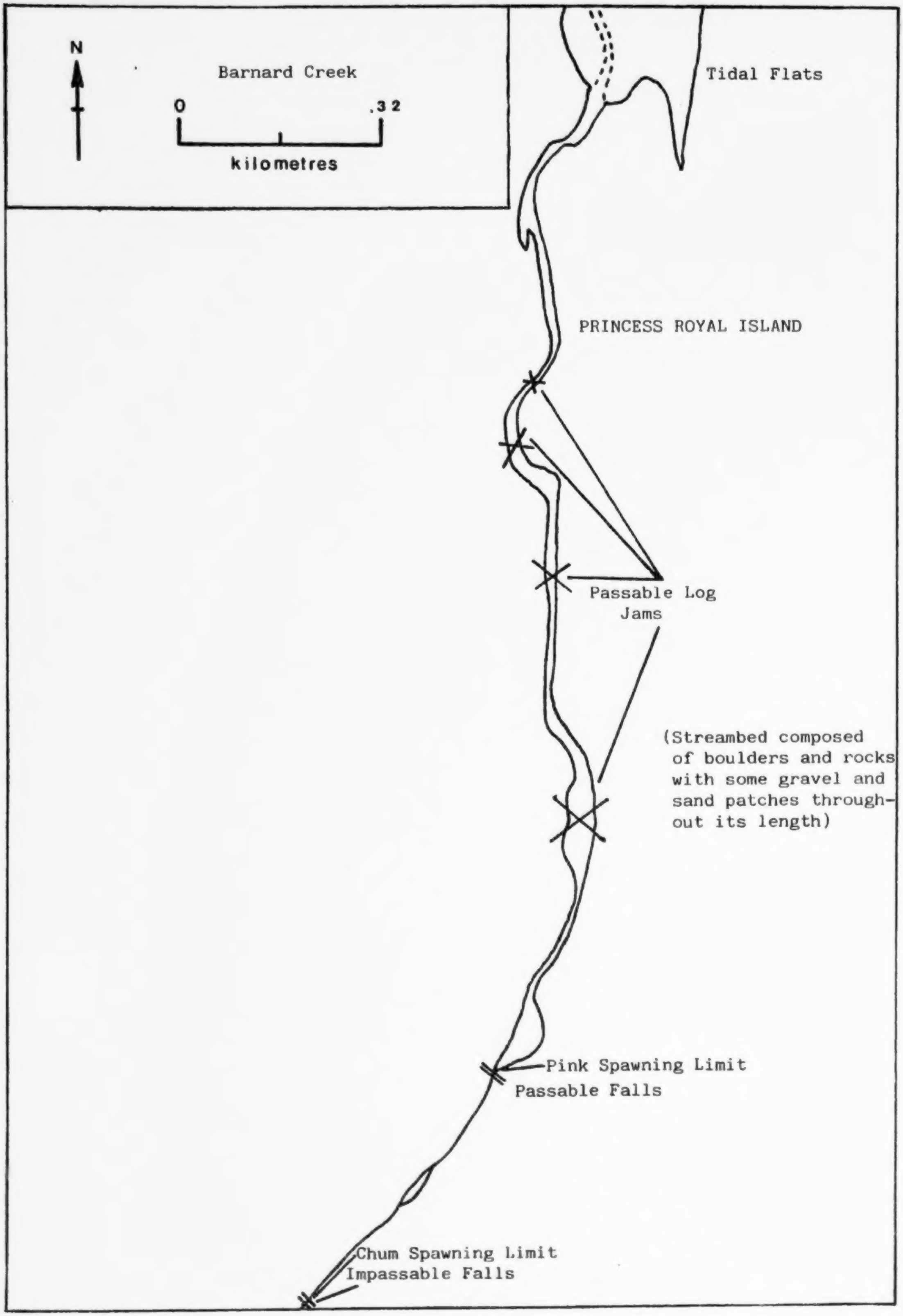
-1957, 1965, 1970, 1971. Low water levels delayed upstream migration until late September and resulted in some tidal spawning

-1960 - 1962. Log jams 0.8 km upstream

-1963. Log jams removed

-1980. Some scouring and erosion caused by December flood

- Evenly spawned over available gravel beds
- Good potential
- Subject to fishing pressure off creek mouth
- Normal seasonal fluctuations in flows
- Normal predation by bears, birds, wolves, and seals


N
Barnard Creek
0
.32
kilometres
Tidal Flats
PRINCESS ROYAL ISLAND
Passable Log Jams
(Streambed composed of boulders and rocks with some gravel and sand patches throughout its length)
Pink Spawning Limit
Passable Falls
Chum Spawning Limit
Impassable Falls

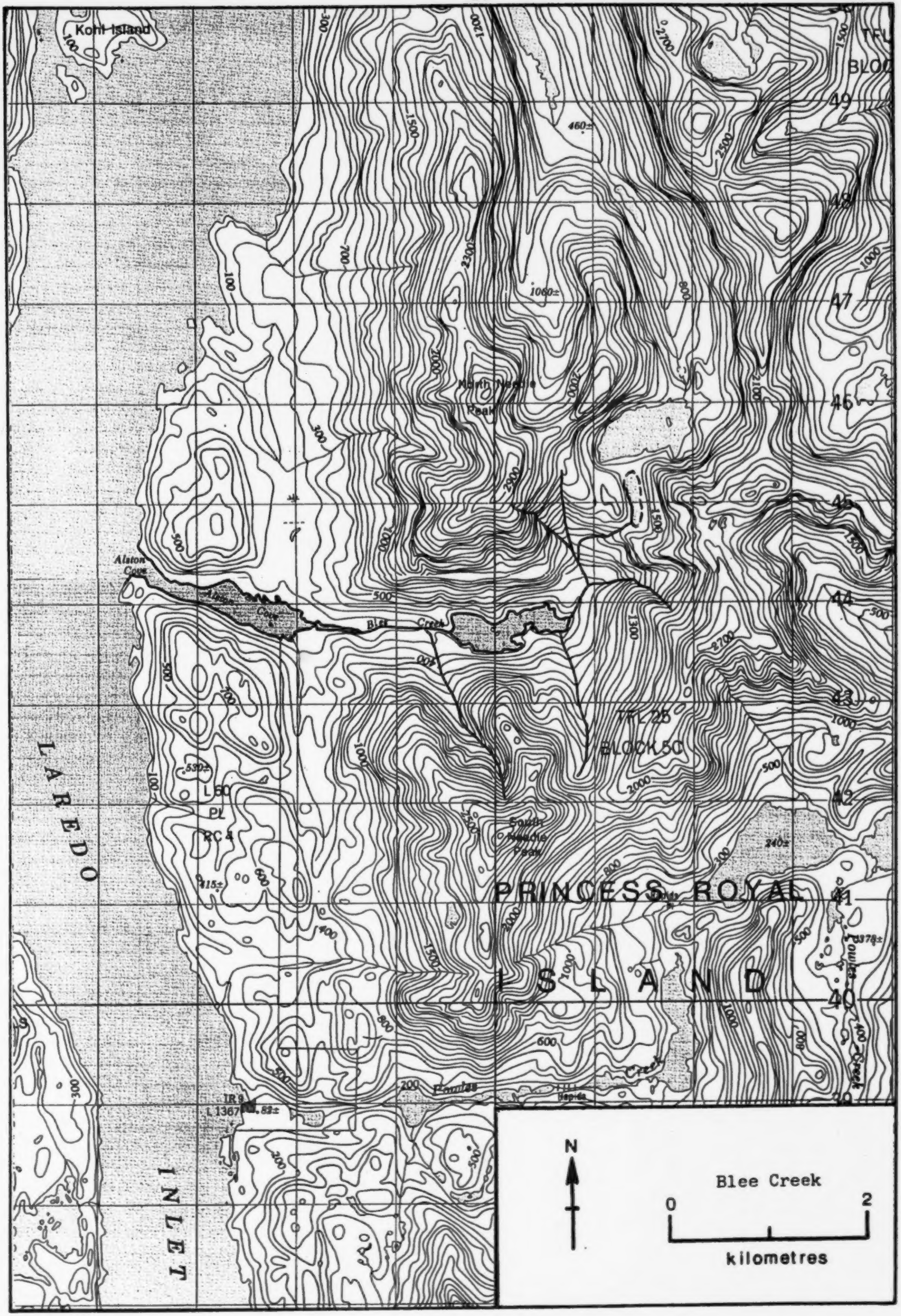
ESCAPEMENT RECORD FOR BARNARD CREEK

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 75 | 400 | 200 | |
| 48 | | | 200 | | 750 | |
| 49 | | | 25 | 200 | 400 | |
| 50 | | | 25 | 750 | 750 | |
| 51 | | | 200 | 1000 | 1800 | |
| 52 | | | | | 7500 | |
| 53 | | | 25 | 750 | 400 | |
| 54 | | | 25 | 400 | 400 | |
| 55 | | | 75 | 200 | 3500 | |
| 56 | | | 400 | 750 | 15000 | |
| 57 | | | 400 | 3500 | 3500 | |
| 58 | | | 400 | 3500 | 3500 | |
| 59 | | | 25 | 75 | 25 | |
| 60 | | | 200 | 750 | 7500 | |
| 61 | | | 25 | N/O | 200 | |
| 62 | | | 750 | 750 | 35000 | |
| 63 | | | 25 | 75 | 750 | |
| 64 | | | N/O | 750 | 7500 | |
| 65 | | | 400 | 750 | 200 | |
| 66 | | | N/O | 3500 | 5000 | |
| 67 | | | N/O | 3500 | 400 | |
| 68 | | | N/O | 200 | 7500 | |
| 69 | | | N/O | 2000 | 5000 | |
| 70 | | | N/O | 1500 | 7500 | |
| 71 | | | N/O | 1000 | 7000 | |
| 72 | | | | 100 | 5000 | |
| 73 | | | | 75 | 500 | |
| 74 | | | N/O | 100 | 3000 | |
| 75 | | | 200 | 100 | 500 | |
| 76 | | | | 20 | 800 | |
| 77 | | | N/O | 50 | 300 | |
| 78 | | | 25 | 25 | 10000 | |
| 79 | | | N/O | 60 | 10000 | |
| 80 | | | N/O | N/O | 5000 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | E. SEPT | E. SEPT | |
| START | | | | E. SEPT | E. SEPT | |
| PEAK | | | | M. SEPT | L. SEPT | |
| END | | | | M. OCT | M. OCT | |

REMARKS


Kohl Island
TFL
BLOC
49
48
47
46
45
44
43
42
41
40
39
North Needle Peak
Alston Cove
Alston Cove
Blee Creek
TFL 25
BLOCK 5C
South Needle Peak
PRINCESS ROYAL
ISLAND
LAREDO
INLET
L 50
PL
RC 4
IR 9
L 1367
Rapids
Creek
N
Blee Creek
0
2
kilometres

NAME OF STREAM BLEE CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Alston Cove, Laredo Inlet, Rge. 3, Coast Dist.

POSITION 52°N 128°W

LENGTH 4.0 km WIDTH m DRAINAGE $km^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA $m^2$ SPAWNING AREA $m^2$

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 2.5 km
- Passable log jams 0.8 km upstream from mouth

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - to falls |
| CHUM | - to falls |
| PINK (ODD YEAR) | - to falls |
| PINK (EVEN YEAR) | - to falls |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1957. Chums sighted in the bay in mid October

-1958, 1959. Surveyed log jams and removed potential obstacles

-1960 - 1965. Pasable log jams sighted 0.8 - 1.6 km from mouth

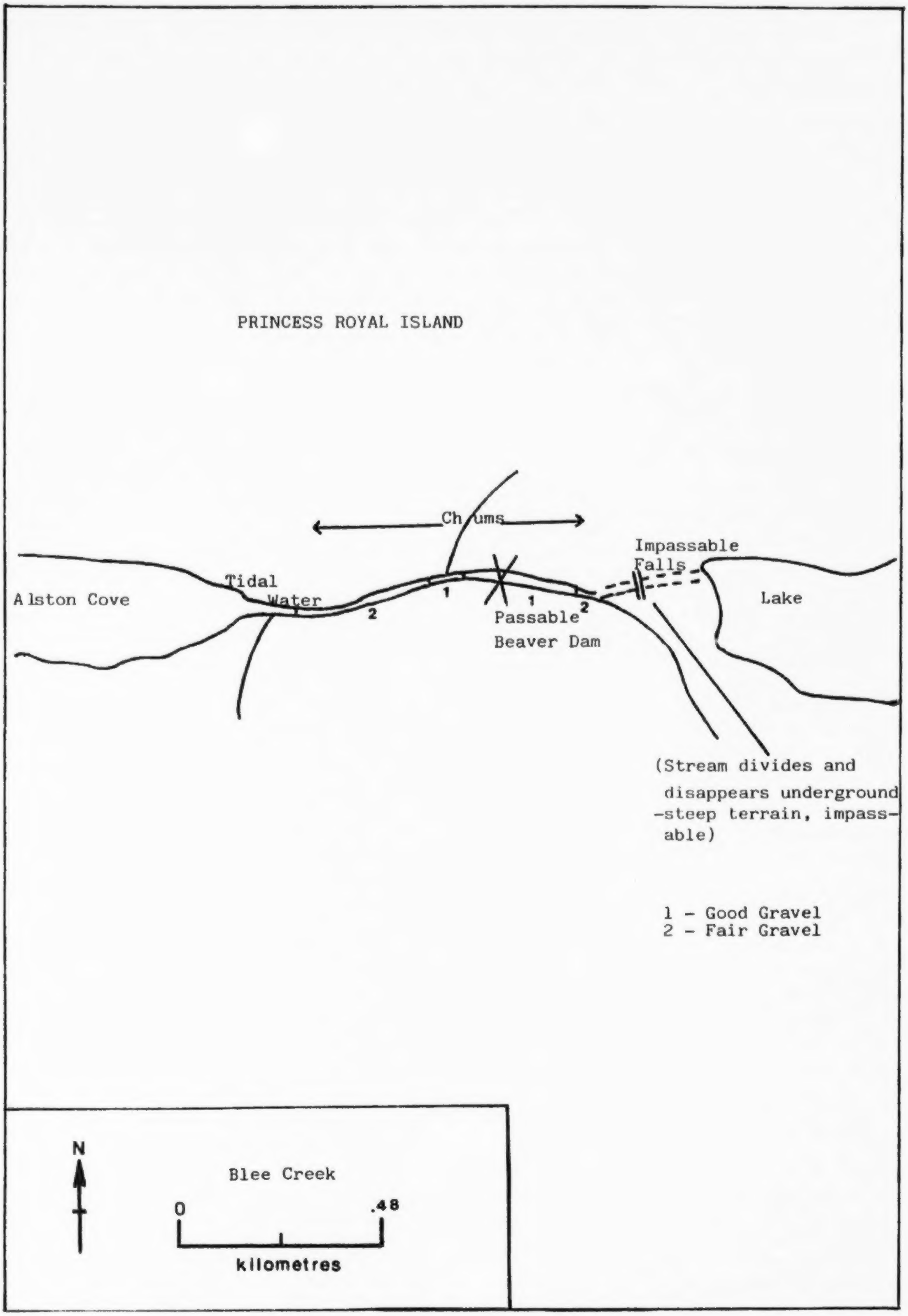
-1964. Early and late chum run recorded in creek

-1965. Tidal spawning by pinks

-1966. High water made counting difficult

-1971. Possibility for upwelling boxes

- Good spawning habitat
- Evenly scattered spawning in lower 2.4 km of stream
- Stream is fed by a lake through a subterranean creek
- Subject to normal seasonal fluctuations in water levels
- Predation by bears, wolves, eagles

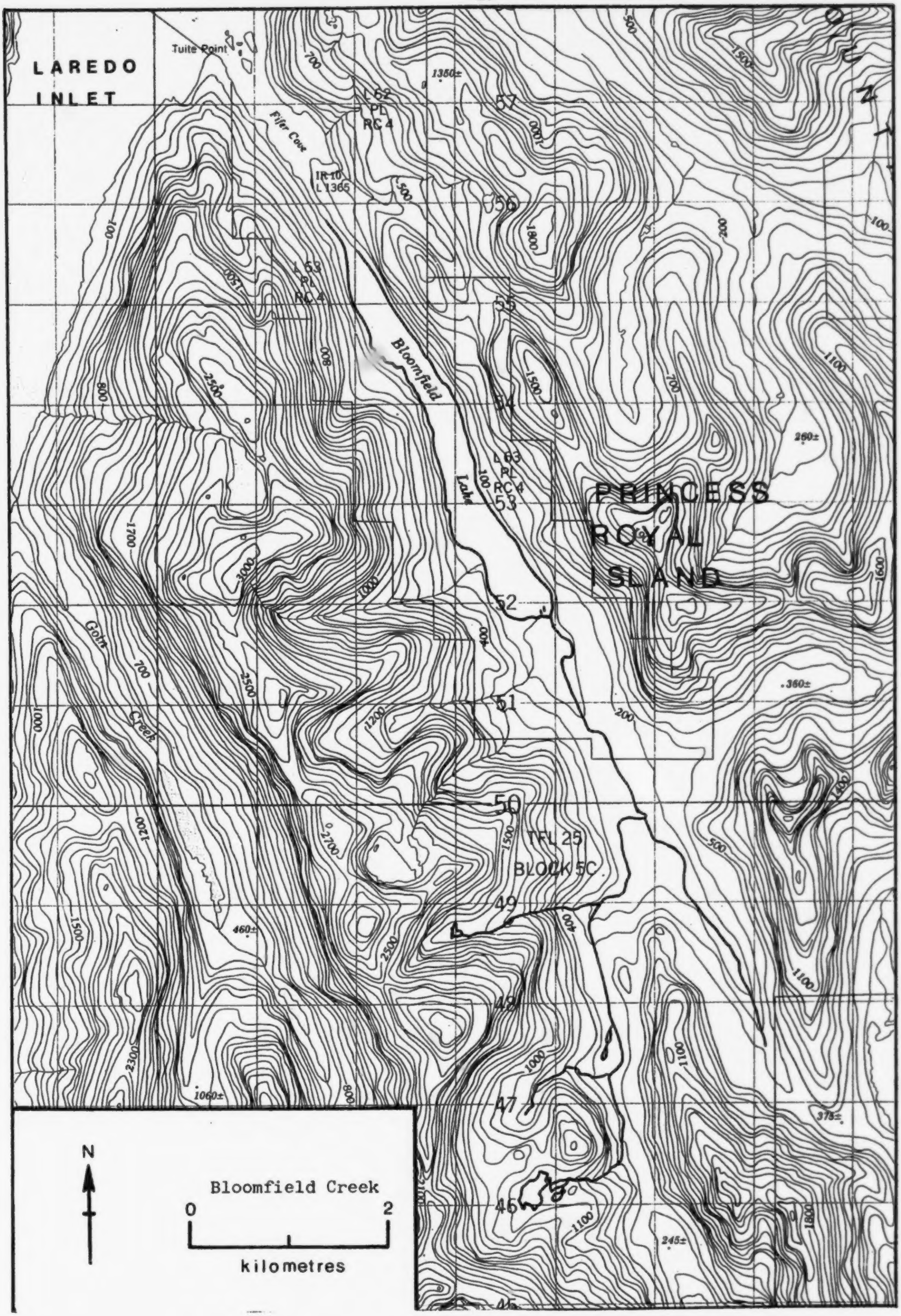

PRINCESS ROYAL ISLAND
Chums
Impassable Falls
Tidal Water
Alston Cove
Lake
1
2
1
2
Passable Beaver Dam
(Stream divides and disappears underground -steep terrain, impassable)
1 - Good Gravel
2 - Fair Gravel
N
Blee Creek
0
.48
kilometres

ESCAPEMENT RECORD FOR BLEE CREEK

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 75 | 400 | 25 | |
| 48 | | | 400 | | 1500 | |
| 49 | | | 25 | 750 | 75 | |
| 50 | | | 25 | 400 | 200 | |
| 51 | | | 100 | 300 | 100 | |
| 52 | | | | | 400 | |
| 53 | | | 25 | 400 | 75 | |
| 54 | | | 200 | 750 | 400 | |
| 55 | | | 25 | 25 | 25 | |
| 56 | | | 25 | 200 | 400 | |
| 57 | | | 25 | 25 | N/O | |
| 58 | | | N/O | 750 | 750 | |
| 59 | | | 25 | 25 | 25 | |
| 60 | | | 25 | 400 | 750 | |
| 61 | | | 25 | 200 | 750 | |
| 62 | | | 25 | 1500 | 3500 | |
| 63 | | | 750 | 400 | 7500 | |
| 64 | | | 25 | 3500 | 75000 | |
| 65 | | | 200 | 200 | 3500 | |
| 66 | | | N/O | N/O | N/O | |
| 67 | | | N/O | 25 | 25 | |
| 68 | | | 750 | N/O | N/O | |
| 69 | | | N/O | 150 | N/O | |
| 70 | | | N/O | 400 | 1500 | |
| 71 | | | 200 | 200 | 200 | |
| 72 | | | | 1500 | 1500 | |
| 73 | | | 200 | 2000 | | |
| 74 | | | 50 | 250 | 75 | |
| 75 | | | N/O | 200 | N/O | |
| 76 | | | N/O | N/O | 4000 | |
| 77 | | | 75 | 700 | 700 | |
| 78 | | | 100 | 1000 | 1000 | |
| 79 | | | 100 | 1000 | 100 | |
| 80 | | | 10 | 175 | 300 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

| TIMING | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | E. SEPT | E. SEPT | E. SEPT | |
| START | | | L. SEPT | E. SEPT | E. SEPT | |
| PEAK | | | OCT | L. SEPT | L. SEPT | |
| END | | | NOV | E. OCT | E. OCT | |

REMARKS


LAREDO INLET
Tuite Point
Fifer Cove
L 62 PL RC 4
IR 10 L 1365
L 63 PL RC 4
L 63 PL RC 4
Bloomfield Lake
PRINCESS ROYAL ISLAND
Goln Creek
TFL 25 BLOCK 5C
57
56
55
54
53
52
51
50
49
48
47
46
45
1350±
260±
360±
460±
1060±
375±
245±
Bloomfield Creek
N
0
2
kilometres

NAME OF STREAM (Bloomfield Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into NE. side of Laredo Inlet, Rge. 3, Coast Dist.

POSITION 53°N 128°W

LENGTH 6.8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

| PERCENT GRADIENT | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 3.0 km

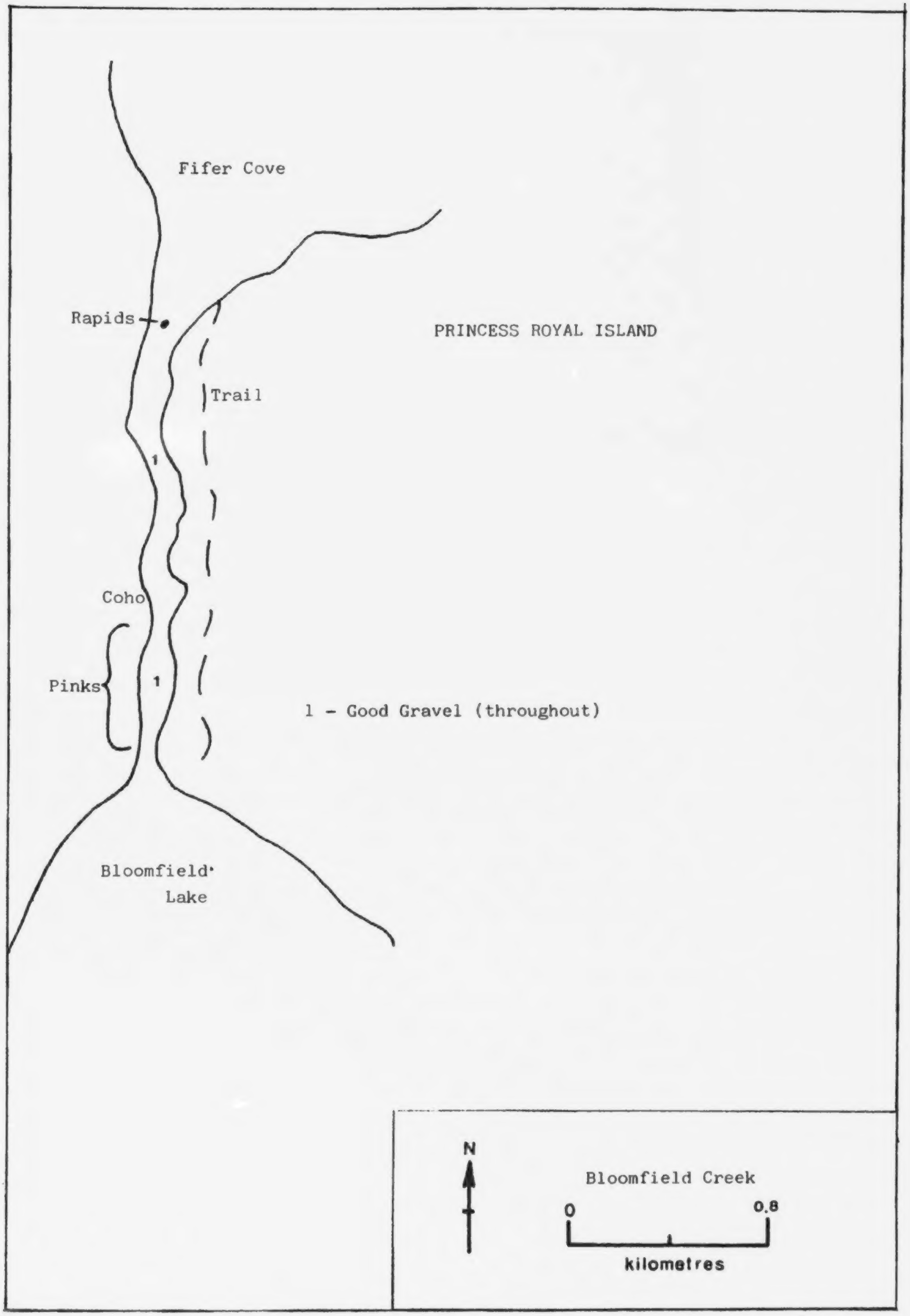
SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - primarily in lake head creeks |
| CHINOOK | |
| COHO | - above lake |
| CHUM | - lake outlet |
| PINK (ODD YEAR) | - lower reaches |
| PINK (EVEN YEAR) | - lower reaches |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1957. Number of sockeye spawners increased. Late upstream chum migration
-1965. Low flows during upstream migration
-1967. Pink salmon were not observed, although 1965 returns were high
-1971. Good escapement of odd year pinks
-1974. Observation conditions poor
-1978. Flood in November
- Protected by Laredo Inlet boundary
- Good spawning gravel
- Clear water
- Subject to seasonal fluctuations in water levels
- Log debris cleared as required
- Predation by bears, wolves, birds, and seals

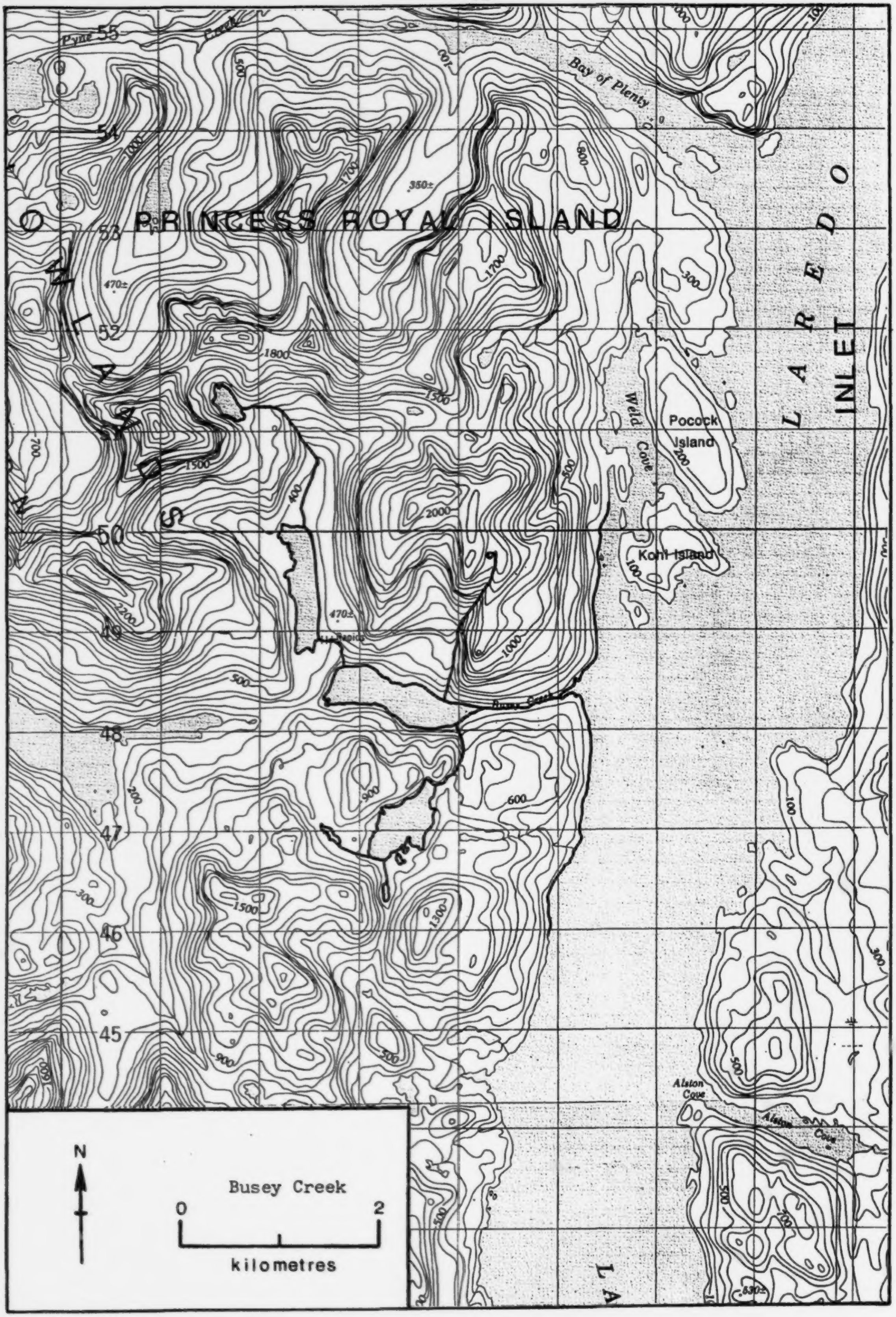

Fifer Cove
Rapids
PRINCESS ROYAL ISLAND
Trail
1
Coho
Pinks
1
1 - Good Gravel (throughout)
Bloomfield Lake
N
Bloomfield Creek
0
0.8
kilometres

ESCAPEMENT RECORD FOR (Bloomfield Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | 75 | | 75 | 750 | 200 | |
| 48 | | | 200 | | 7500 | |
| 49 | 1500 | | 75 | 750 | 400 | |
| 50 | 1500 | | 200 | 750 | 7500 | |
| 51 | 800 | | 600 | 350 | 2800 | |
| 52 | | | | | 7500 | |
| 53 | 200 | | 200 | 400 | 200 | |
| 54 | 750 | | 400 | 1500 | 3500 | |
| 55 | 3500 | | 200 | 75 | 1500 | |
| 56 | 750 | | 200 | 75 | 3500 | |
| 57 | 1500 | | 1500 | 25 | 25 | |
| 58 | 1500 | | 25 | 750 | 3500 | |
| 59 | 3500 | | 200 | 25 | 25 | |
| 60 | 750 | | 25 | 25 | 3500 | |
| 61 | 400 | | 1500 | 1500 | 3500 | |
| 62 | 25 | | N/O | 400 | 7500 | |
| 63 | 75 | | N/O | 400 | 400 | |
| 64 | 1500 | | 200 | 1500 | 7500 | |
| 65 | UNK | | 1500 | 1500 | 3500 | |
| 66 | 40 | | 20 | N/O | 4000 | |
| 67 | 25 | | 25 | N/O | N/O | |
| 68 | 200 | | 3500 | N/O | 7500 | |
| 69 | N/O | | N/O | N/O | N/O | |
| 70 | 750 | | N/O | 75 | 3500 | |
| 71 | 400 | | N/O | 25 | 1000 | |
| 72 | 300 | | 400 | 200 | 15000 | |
| 73 | 500 | | 200 | 500 | 200 | |
| 74 | 800 | | N/O | 50 | 75 | |
| 75 | 2500 | | N/O | N/O | 1200 | |
| 76 | 1500 | | 700 | N/O | 6000 | |
| 77 | 4500 | | 300 | N/O | 1800 | |
| 78 | 700 | | 700 | N/O | 1000 | |
| 79 | 1500 | | 400 | 100 | 200 | |
| 80 | 500 | | N/O | 35 | 1000 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

| TIMING | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | JULY | | AUG | L. AUG | M. AUG | |
| START | E. SEPT | | E. SEPT | E. SEPT | E. SEPT | |
| PEAK | M. SEPT | | L. SEPT | M. SEPT | M. SEPT | |
| END | L. SEPT | | L. OCT | OCT | L. SEPT | |

REMARKS


Pyne
Creek
55
54
53
52
50
49
48
47
46
45
Bay of Plenty
PRINCESS ROYAL ISLAND
350±
470±
1800
1700
1500
2000
2200
1000
900
600
500
400
300
200
100
LAREDO
INLET
Weld Cove
Pocock Island
Kohl Island
Rapids
Busey Creek
Alston Cove
630±
N
Busey Creek
0
2
kilometres

NAME OF STREAM BUSEY CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows E into Laredo Inlet, Rge. 3, Coast Dist.

POSITION 52°N 128°W

LENGTH 4.0 km WIDTH m DRAINAGE $km^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA $m^2$ SPAWNING AREA $m^2$

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 2.5 km

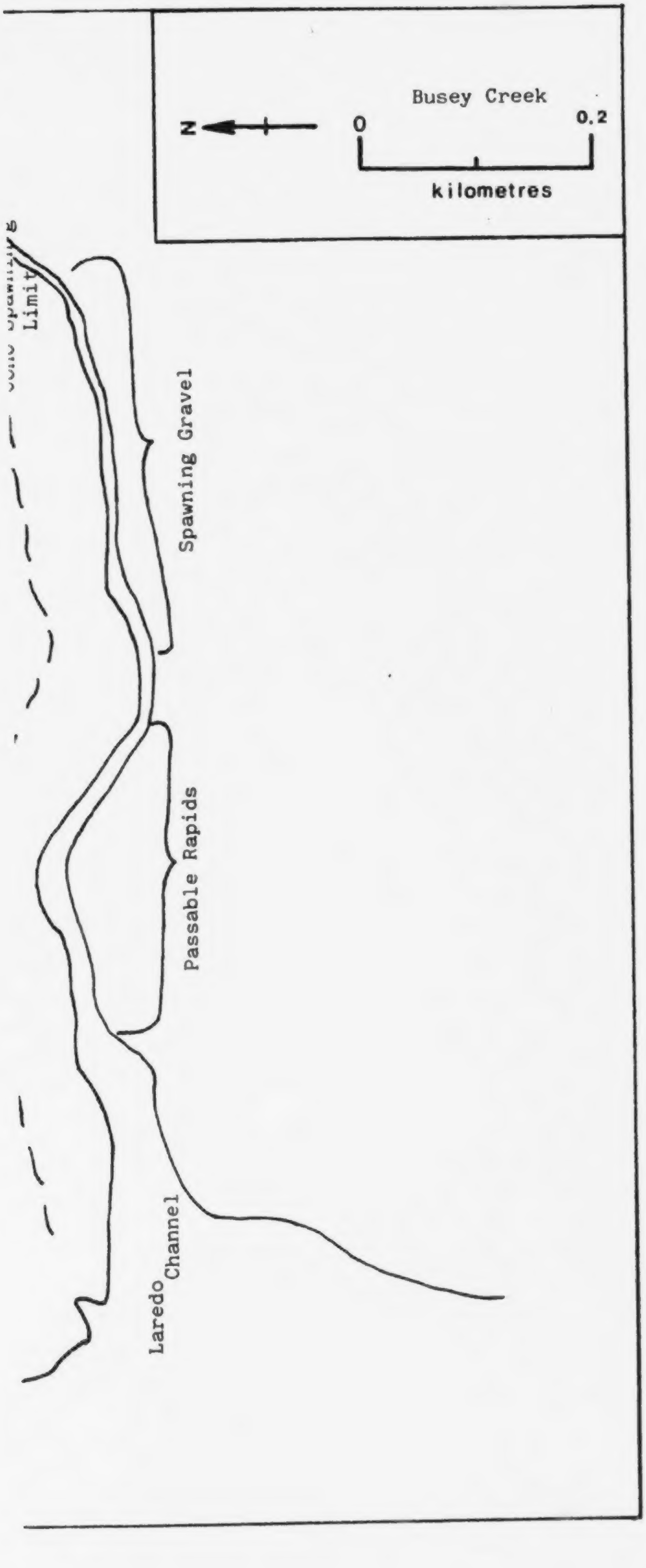
SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - to lake |
| CHINOOK | |
| COHO | - to lake |
| CHUM | - in creek |
| PINK (ODD YEAR) | - in creek |
| PINK (EVEN YEAR) | - in creek |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1951. Log jam hampered upstream migration of sockeye and coho
-1957-1966. Log debris cleared as required
-1961. Water in lake was turbid at time of inspection
-1974. Very low flows in August. The October 15th flood was acccompanied by streambed scouring
- Very low productivity
- Limited spawning area
- Subject to seasonal fluctuations in water levels
- Slight predation by birds, bears, and wolves


Busey Creek
N
0
0.2
kilometres
Coho Spawning
Limit
Spawning Gravel
Passable Rapids
Laredo
Channel

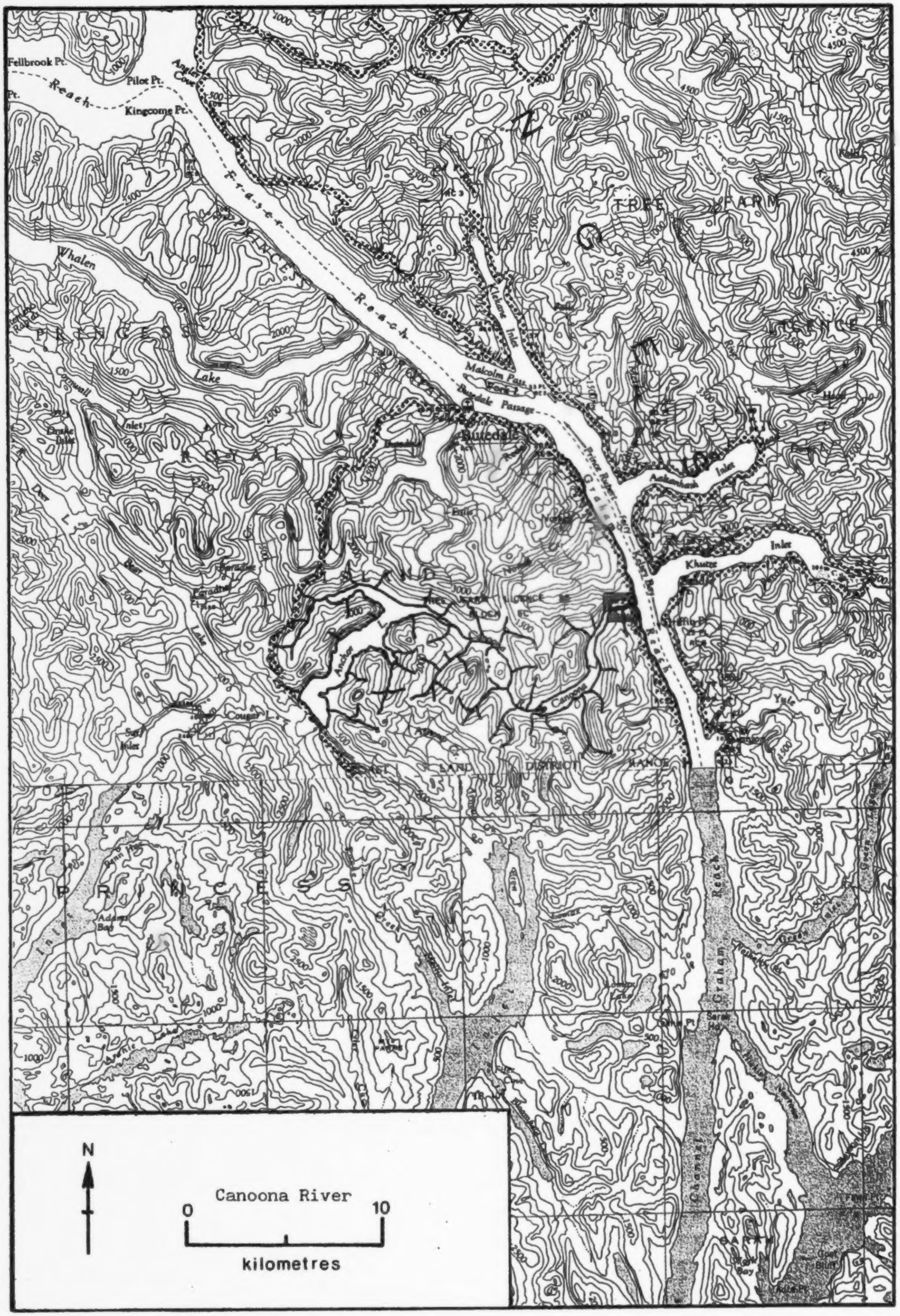
ESCAPEMENT RECORD FOR BUSEY CREEK

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | 400 | | 750 | 75 | 25 | |
| 48 | | | 750 | | 750 | |
| 49 | 75 | | 25 | 25 | 25 | |
| 50 | 400 | | 400 | 25 | 400 | |
| 51 | 500 | | 500 | 50 | 50 | |
| 52 | | | | | | |
| 53 | 200 | | 200 | 25 | 25 | |
| 54 | | | 200 | | 750 | |
| 55 | 400 | | 25 | 25 | 25 | |
| 56 | 400 | | 400 | 200 | 750 | |
| 57 | 750 | | 400 | 75 | 25 | |
| 58 | N/O | | 25 | 400 | N/O | |
| 59 | 400 | | 25 | 25 | 25 | |
| 60 | 400 | | 400 | 400 | | |
| 61 | N/O | | N/O | 25 | N/O | |
| 62 | N/O | | N/O | N/O | 3500 | |
| 63 | N/O | | N/O | N/O | 1500 | |
| 64 | 400 | | 25 | 750 | 3500 | |
| 65 | | | | | | |
| 66 | N/O | | N/O | N/O | N/O | |
| 67 | N/O | | N/O | N/O | N/O | |
| 68 | N/O | | 1500 | N/O | N/O | |
| 69 | N/O | | N/O | N/O | N/O | |
| 70 | N/O | | N/O | 25 | N/O | |
| 71 | N/O | | N/O | N/O | N/O | |
| 72 | | | | | | |
| 73 | | | | | | |
| 74 | | NONE OBSERVED 1972-1978 | | | | |
| 75 | | | | | | |
| 76 | | | | | | |
| 77 | | | | | | |
| 78 | | | 75 | | | |
| 79 | N/O | | N/O | N/O | N/O | |
| 80 | | | NOT INSPECTED | | | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING:

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | | | |
| START | | | | | | |
| PEAK | | | | | | |
| END | | | | | | |

REMARKS


Fellbrook Pt.
Pilot Pt.
Kingcome Pt.
Reach
Fraser Reach
Whalen Lake
Princess Royal
Tree Farm Licence
Malcolm Pass
Butedale
Aaltanhash Inlet
Khutze Inlet
Graham Reach
Anchor L.
Canoona
Cougar L.
Yule L.
Channel
N
Canoona River
0
10
kilometres

NAME OF STREAM CANOONA RIVER (Indian River)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows E. into Graham Reach, Princess Royal Is., Rge. 4, Coast Dist.

POSITION 53°N 128°W

LENGTH 8.0 km WIDTH ______ m DRAINAGE ______ km$^2$

COMPOSITION: BEDROCK ______ BOULDER ______ COARSE ______ FINE ______

SILT & SAND ______ UNCLASSIFIED ______

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA ______ m$^2$ SPAWNING AREA ______ m$^2$

DISCHARGE (m$^3$/s) ______

TEMPERATURE (°C) ______

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Historically, rock falls at mouth and 1.6 km upstream
- Presently, falls 3.2 km above Canoona Lake

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - from below falls at lake outlet through to Anchor Lake |
| CHINOOK | |
| COHO | - into Anchor Lake |
| CHUM | - to Anchor Lake |
| PINK (ODD YEAR) | - to Anchor Lake |
| PINK (EVEN YEAR) | - to Anchor Lake |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ______

GENERAL REMARKS

-1947-1955. Pinks and chums had difficulty ascending 1st falls during low water, prior to fishway construction

-1956. Fishway constructed on 1st falls at tidal water

-1957. Good spawning habitat reported above lake head

-1959. Fishway outlet defective and many pinks bypassed it, resulting in considerable losses of pink salmon

-1959-1961. Fishways completed to allow fish to utilize lake

-1961. Success of fish ladders evaluated

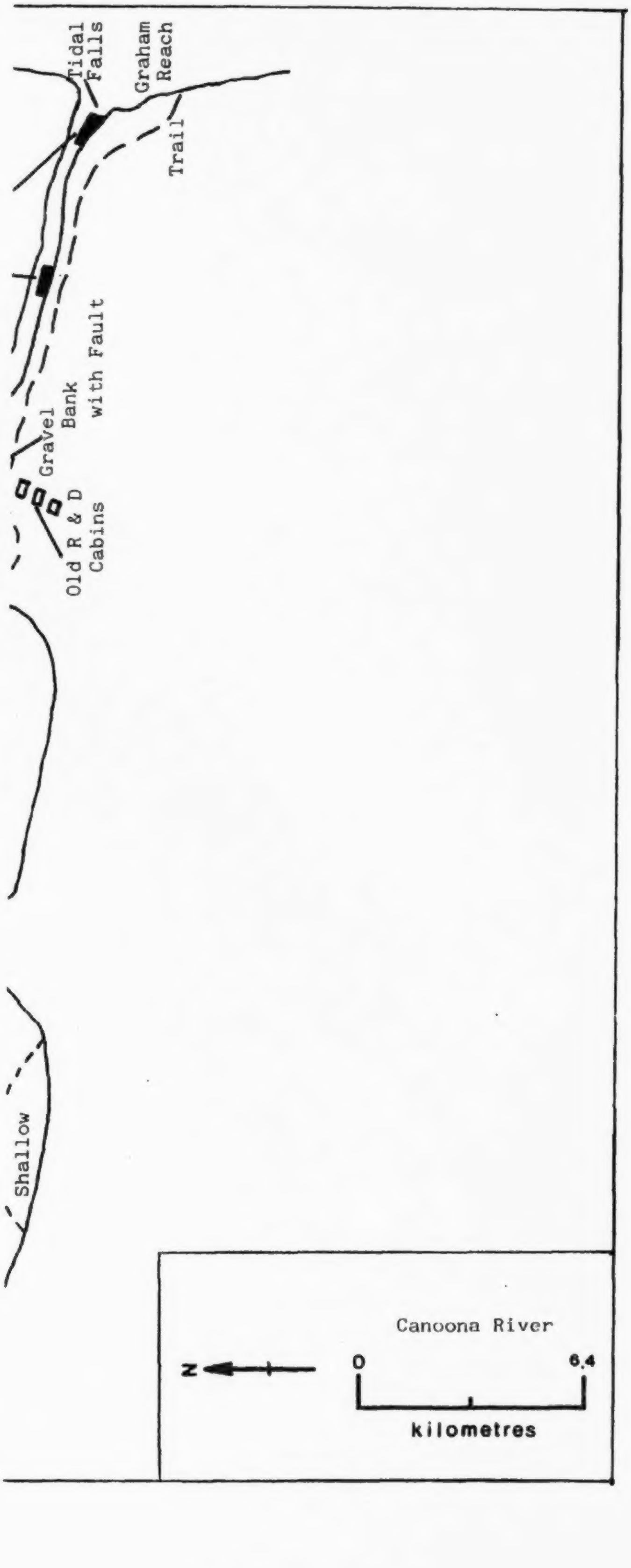
-1962. Upper fishways were rendered inoperable by a rock slide in mid October

-1963. Upper fish ladder repaired

1965. Available water had to be channelled into fishway so that fish could use it

GENERAL REMARKS (cont'd) - Canoona River

-1968, 1969, 1973. Patrolmen reported a faulted gravel bank which could slip at anytime and cover the upper fishway
-1973-1975. Logging occurred on Indian reserve
-1977. Coho positively identified in Anchor Lake
-1978, 1980. Floods likely caused some erosion to the system
-1980. Area above 1st lake was well utilized


Tidal Falls
Graham Reach
Trail
Gravel Bank with Fault
Old R & D Cabins
Shallow
Canoona River
N
0
6.4
kilometres

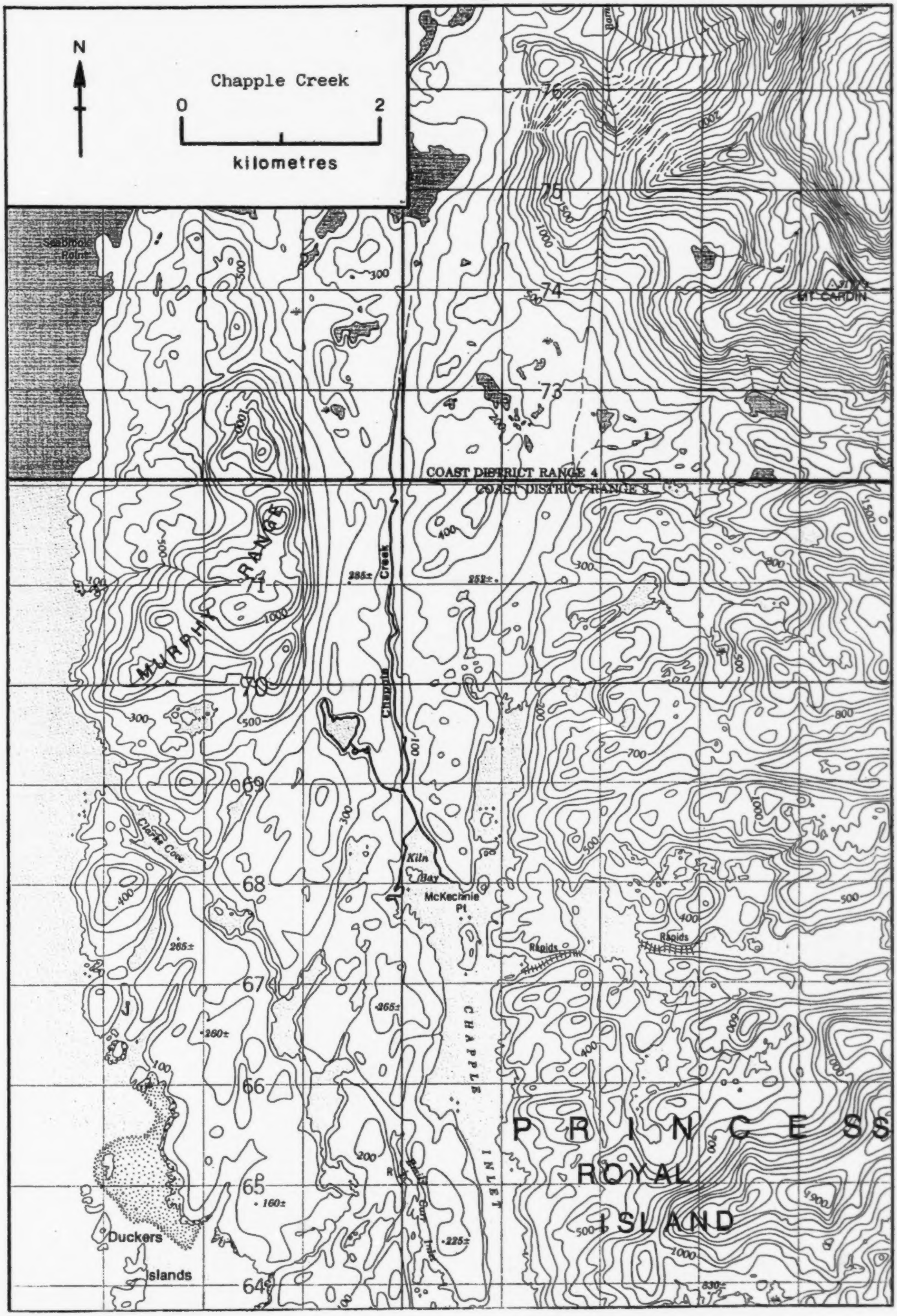
ESCAPEMENT RECORD FOR CANOONA RIVER (Indian River)

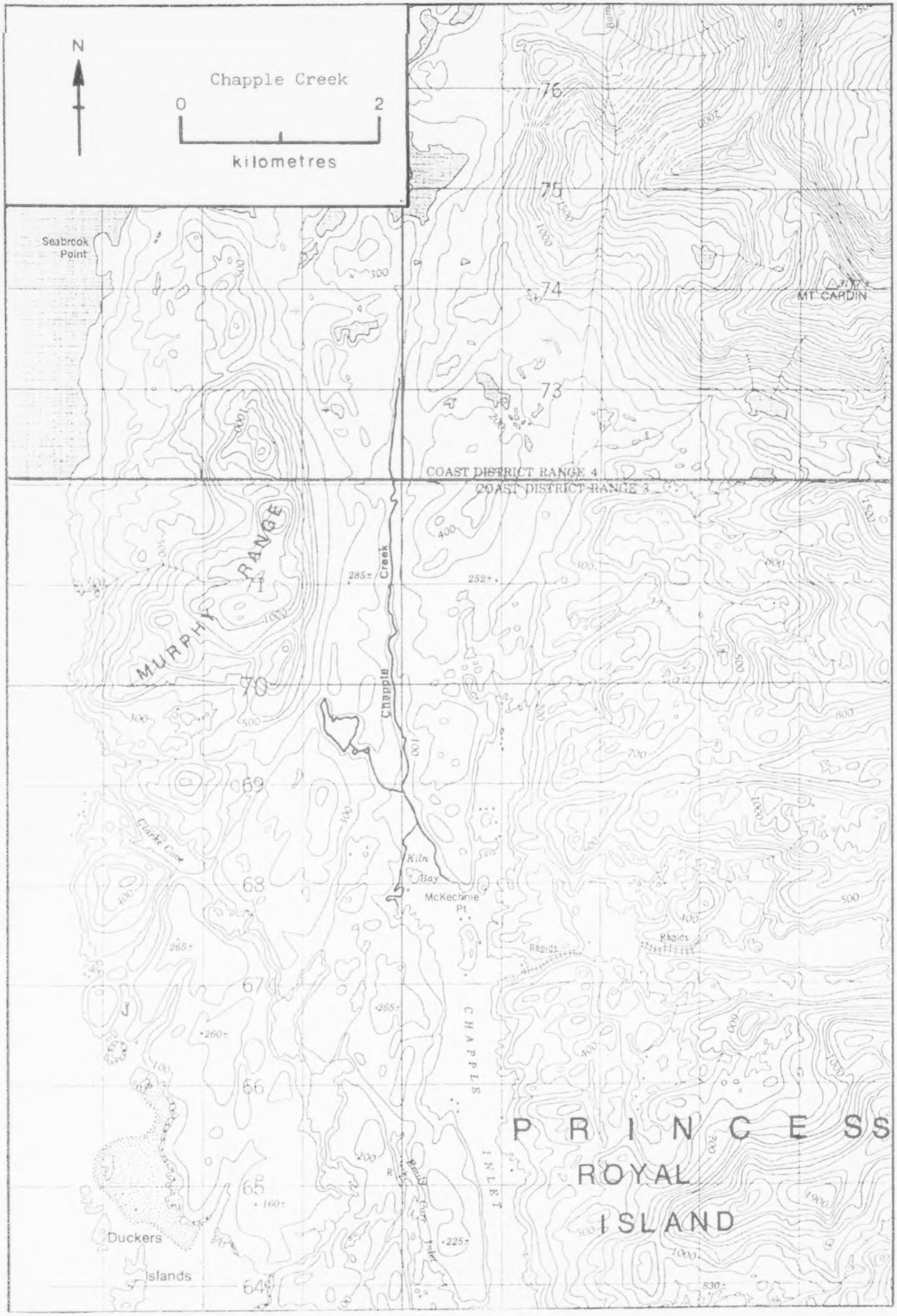
| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 15000 | 750 | 15000 | |
| 48 | | | 7500 | | 750 | |
| 49 | 200 | | 7500 | 400 | 35000 | |
| 50 | 75 | | 3500 | 400 | 750 | |
| 51 | 100 | | 6500 | 600 | 35000 | |
| 52 | | | | | 1500 | |
| 53 | 200 | | 3500 | 400 | 35000 | |
| 54 | N/O | | 1500 | 400 | 750 | |
| 55 | | | 1500 | 75 | 35000 | |
| 56 | | | 1500 | 400 | 750 | |
| 57 | | | 1500 | N/O | 15000 | UNK |
| 58 | | | 200 | 75 | | |
| 59 | | 25 | 400 | N/O | 35000 | 25 |
| 60 | | | | | 25 | |
| 61 | | | 3500 | N/O | 75000 | 200 |
| 62 | | | 1500 | N/O | 750 | |
| 63 | | | 3500 | | 35000 | |
| 64 | | | 1500 | | 750 | 25 |
| 65 | | | 3500 | N/O | 35000 | |
| 66 | 50 | | 1200 | N/O | 3000 | |
| 67 | 3500 | | 200 | 25 | 25 | UNK |
| 68 | 1500 | | 1500 | N/O | 7500 | |
| 69 | N/O | | 1000 | 500 | 10000 | |
| 70 | N/O | | 750 | 200 | 1500 | |
| 71 | | | 1500 | N/O | 15000 | |
| 72 | | | 3500 | N/O | 8000 | |
| 73 | | | 1000 | 1000 | 15000 | |
| 74 | | | 2500 | N/O | 5500 | |
| 75 | 300 | | 400 | 900 | 3000 | |
| 76 | 300 | | 500 | | 4000 | |
| 77 | 100 | | 650 | N/O | 2500 | |
| 78 | 300 | | 1000 | N/O | 3000 | |
| 79 | 500 | | 2000 | N/O | 15000 | |
| 80 | 500 | | 500 | 2 | 7500 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | E. JULY | | E. AUG | | E. AUG | |
| START | M. SEPT | | L. SEPT | | E. SEPT | |
| PEAK | L. SEPT | | OCT | | M. SEPT | |
| END | OCT | | NOV | | L. SEPT | |

REMARKS


N
Chapple Creek
0
2
kilometres
MT CARDIN
COAST DISTRICT RANGE 4
COAST DISTRICT RANGE 3
MURPHY RANGE
Chapple Creek
Kiln Bay
McKechnie Pt
Rapids
Rapids
Clarke Cove
CHAPPLE INLET
PRINCESS ROYAL ISLAND
Duckers Islands
76
75
74
73
71
70
69
68
67
66
65
64
300
500
1000
1500
2000
400
200
100
700
800
600
255±
252±
265±
260±
160±
225±
830±


N
Chapple Creek
0
2
kilometres
Seabrook Point
MT CARDIN
76
75
74
73
71
70
69
68
67
66
65
64
COAST DISTRICT RANGE 4
COAST DISTRICT RANGE 3
MURPHY RANGE
Chapple Creek
Clarke Cove
Kiln Bay
McKechnie Pt
Rapids
Rapids
CHAPPLE INLET
PRINCESS ROYAL ISLAND
Duckers Islands
285±
252±
265±
260±
160±
225±
830±
265±

NAME OF STREAM (Chapple Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Chapple Inlet, Rge. 3, Coast Dist.

POSITION 52°N 129°W

LENGTH 10.5 km WIDTH m DRAINAGE $km^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA $m^2$ SPAWNING AREA $m^2$

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - throughout, upper reaches |
| CHUM | - throughout |
| PINK (ODD YEAR) | - throughout |
| PINK (EVEN YEAR) | - throughout |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1951. Summer drought delayed upstream salmon migration until September 8th

-1952. Low summer flows

-1965. Extremely low summer flows

-1978, 1980. Flooding may have caused some scouring and erosion to system

-1979. High water hampered assessment

- Limited spawning potential
- Steep, rocky streambed makes upstream migration difficult under low flow regimes
- Gravel beds occur along the shores of this slow moving creek
- Passable log jams are common
- Some predation by bears, birds and wolves

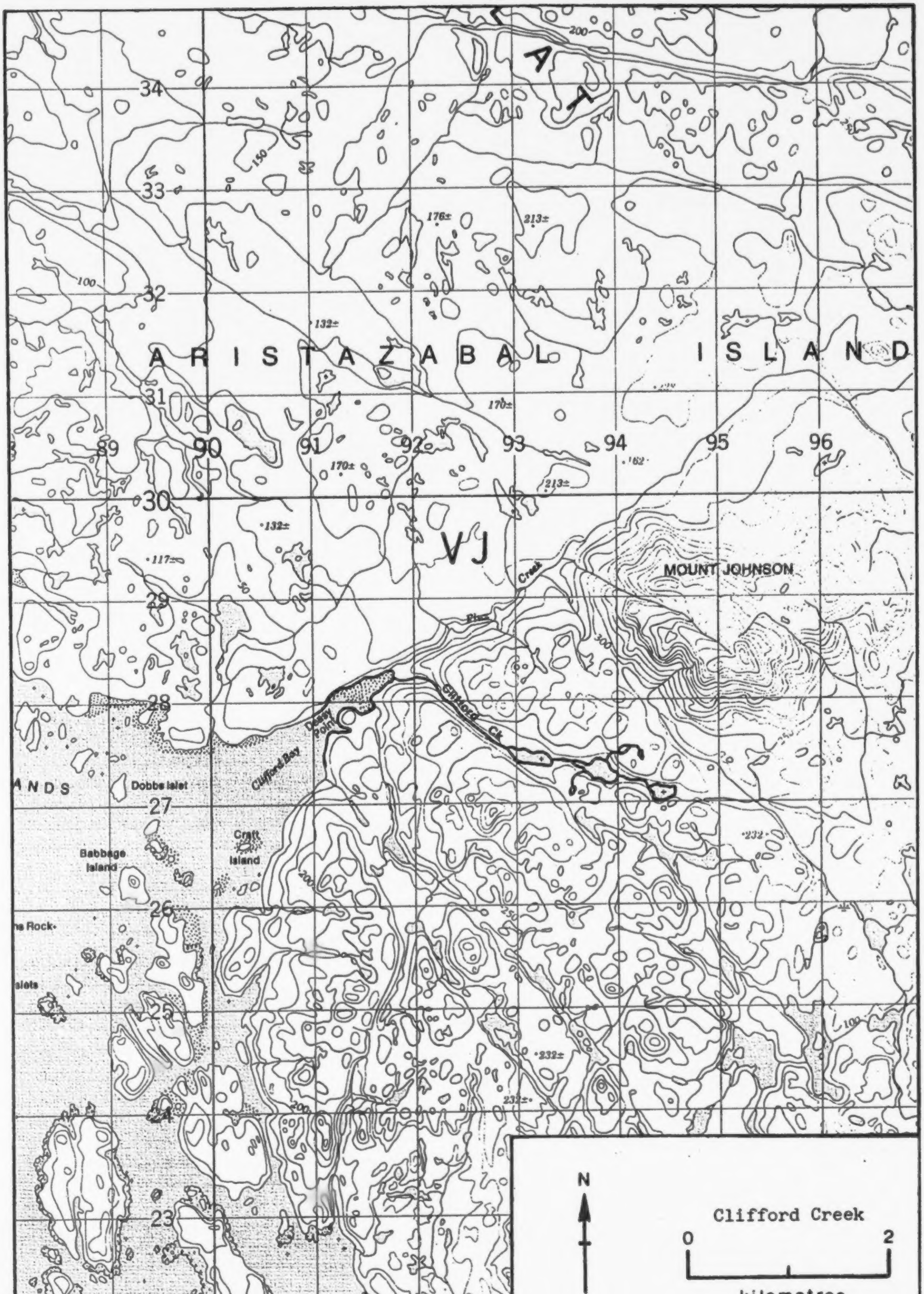
ESCAPEMENT RECORD FOR (Chapple Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 1500 | 750 | 400 | |
| 48 | | | 750 | | 1500 | |
| 49 | | | 4250 | 1900 | 1575 | |
| 50 | | | 75 | 400 | 200 | |
| 51 | | | 800 | 500 | 300 | |
| 52 | | | | | 3500 | |
| 53 | | | 75 | 200 | 75 | |
| 54 | | | 400 | 400 | 1500 | |
| 55 | | | 750 | 1500 | 1500 | |
| 56 | | | 3500 | 400 | 7500 | |
| 57 | | | 1500 | 750 | 400 | |
| 58 | | | 200 | 750 | 750 | |
| 59 | | | 200 | 25 | 400 | |
| 60 | | | 1500 | 1500 | 750 | |
| 61 | | | 750 | 75 | 400 | |
| 62 | | | 750 | 15000 | 750 | |
| 63 | | | 1500 | 75 | 750 | |
| 64 | | | 750 | 400 | 3500 | |
| 65 | | | UNK | UNK | UNK | |
| 66 | | | N/O | 1500 | 4000 | |
| 67 | | | N/O | N/O | N/O | |
| 68 | | | N/O | N/O | N/O | |
| 69 | | | N/O | | N/O | |
| 70 | | | 75 | N/O | 1500 | |
| 71 | | | N/O | N/O | 750 | |
| 72 | | | N/O | N/O | 400 | |
| 73 | | | N/O | 50 | 150 | |
| 74 | | | N/O | N/O | 50 | |
| 75 | | | N/O | N/O | 50 | |
| 76 | | | | | 15000 | |
| 77 | | | 200 | 200 | 50 | |
| 78 | | | N/O | N/O | 15000 | |
| 79 | | | N/O | 25 | 5000 | |
| 80 | | | N/O | N/O | 5500 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | | L. AUG | |
| START | | | | | M. SEPT | |
| PEAK | | | | | L. SEPT | |
| END | | | | | E. OCT | |

REMARKS


ARISTAZABAL ISLAND
VJ
MOUNT JOHNSON
Creek
Clifford Ck
Clifford Bay
Dassy Point
Dobbs Islet
Babbage Island
Craft Island
ANDS
Rock
slets
34
33
32
31
30
29
28
27
26
25
24
23
22
89
90
91
92
93
94
95
96
200
150
100
300
250
176±
213±
132±
170±
162
213±
117±
232
232±
N
Clifford Creek
0
2
kilometres

NAME OF STREAM (Clifford Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Clifford Bay, Aristazabal Is., Rge. 3, Coast Dist.

POSITION 52°N 129°W

LENGTH 1.2 km WIDTH m DRAINAGE $km^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA $m^2$ SPAWNING AREA $m^2$

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Falls at 1.0 km is passable to coho only

SPAWNING DISTRIBUTION

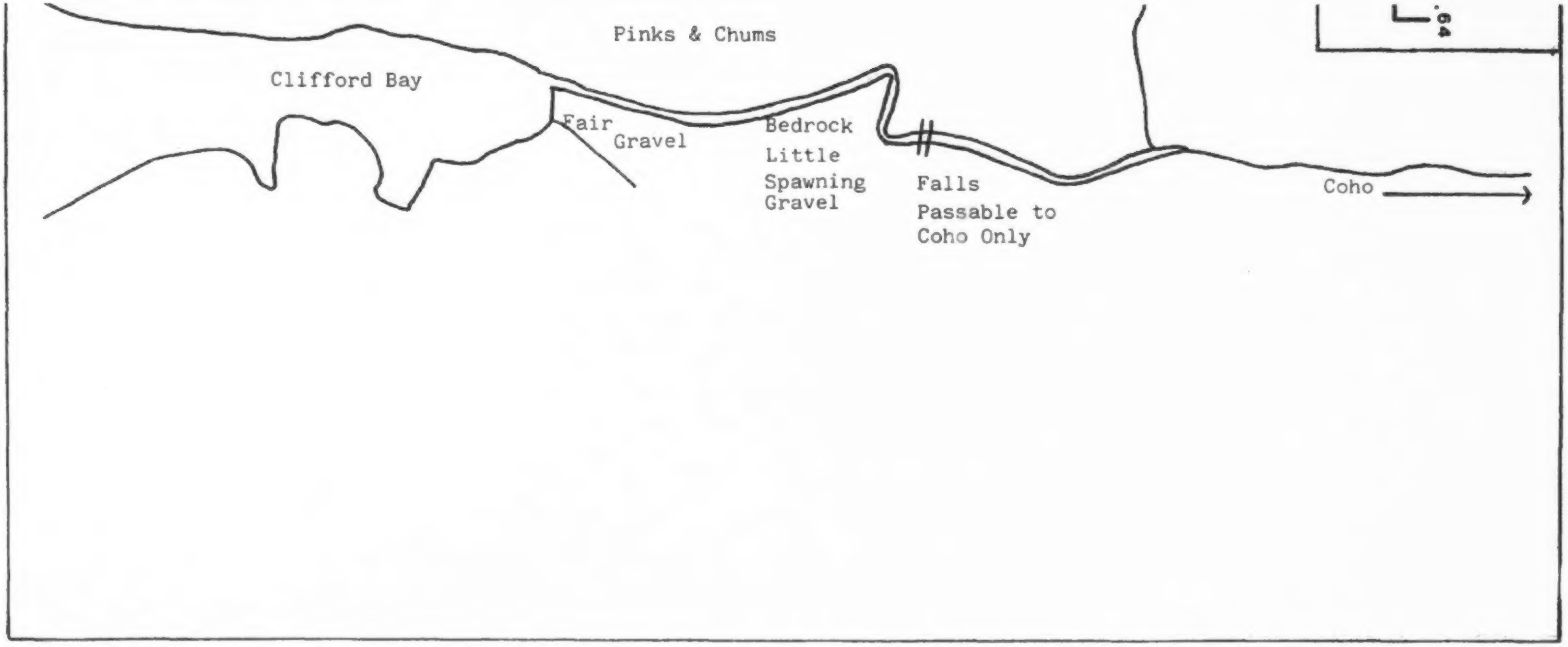
| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - throughout |
| CHUM | - to 1.0 km |
| PINK (ODD YEAR) | - to 1.0 km |
| PINK (EVEN YEAR) | - to 1.0 km |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1964. Poor inspection conditions
-1965. Low summer flows
-1968. Removed minor log jam
-1968-1973. Surveyed falls located 1.0 km upstream from mouth
-1974. Determined that no further study was required at falls
-1978, 1980. Flooding may have caused scouring and erosion to system
-1979. Standardized creek name

- Subject to seasonal fluctuations in water levels
- Moderate predation by bears and eagles


.64
Pinks & Chums
Clifford Bay
Fair
Gravel
Bedrock
Little
Spawning
Gravel
Falls
Passable to
Coho Only
Coho

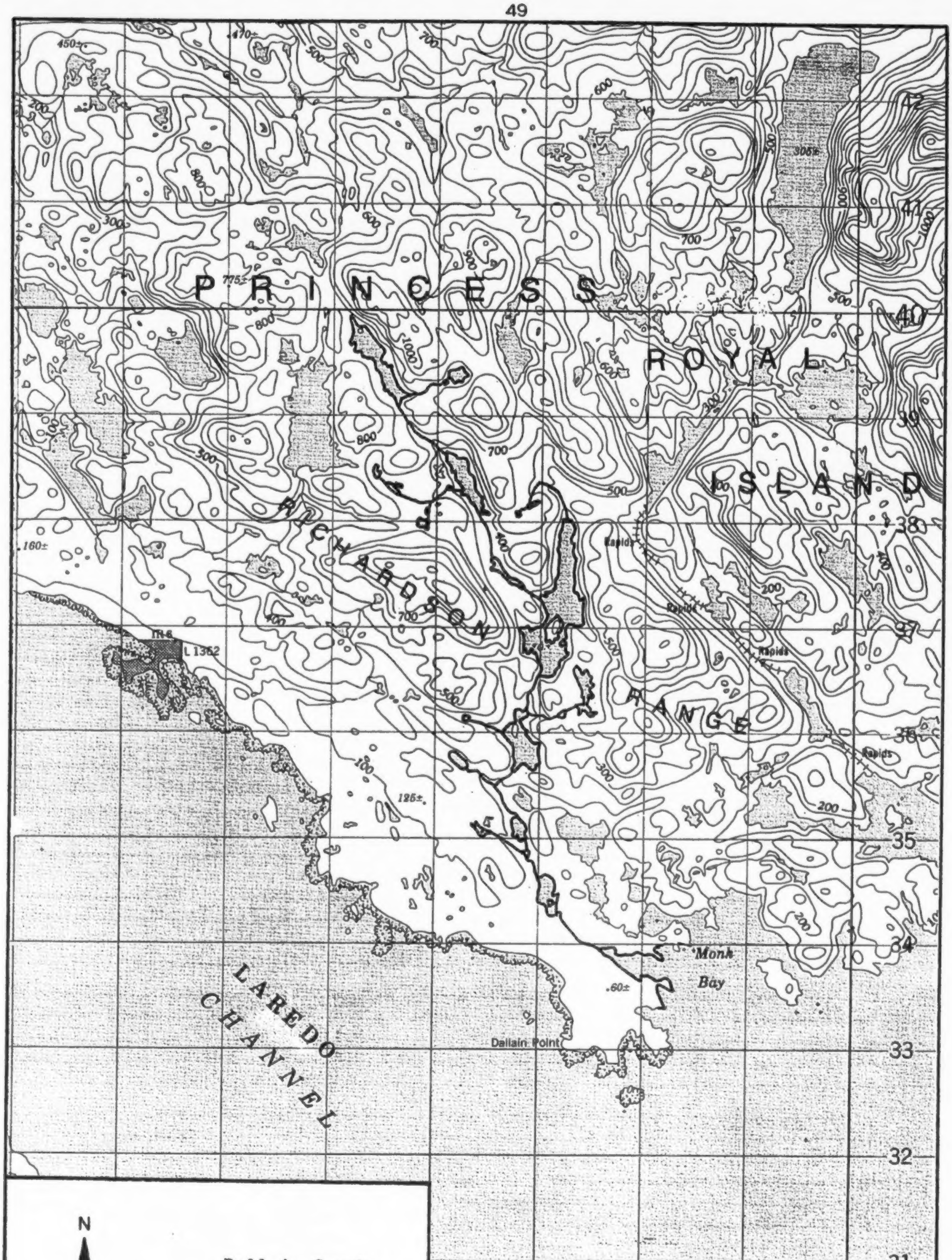
ESCAPEMENT RECORD FOR (Clifford Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | | | | |
| 48 | | | | | | |
| 49 | | | | | | |
| 50 | | | | | | |
| 51 | | | | | | |
| 52 | | | | | | |
| 53 | | | | | | |
| 54 | | NO RECORD PRIOR TO 1960 | | | | |
| 55 | | | | | | |
| 56 | | | | | | |
| 57 | | | | | | |
| 58 | | | | | | |
| 59 | | | | | | |
| 60 | 750 | | 750 | 400 | 200 | |
| 61 | 200 | | 400 | 200 | 75 | |
| 62 | N/0 | | 750 | 1500 | 200 | |
| 63 | 400 | | 750 | 200 | N/0 | |
| 64 | N/0 | | N/0 | N/0 | N/0 | |
| 65 | UNK | | UNK | UNK | UNK | |
| 66 | | | 50 | 800 | 200 | |
| 67 | | | 400 | 750 | | |
| 68 | | | 400 | 750 | 1500 | |
| 69 | | | 300 | 1250 | N/0 | |
| 70 | | | 400 | 1500 | 200 | |
| 71 | | | 750 | 750 | 25 | |
| 72 | | | 1200 | 1100 | 200 | |
| 73 | | | 200 | 3000 | N/0 | |
| 74 | | | 350 | 250 | 900 | |
| 75 | | | 850 | 800 | 60 | |
| 76 | | | 500 | 1200 | 1600 | |
| 77 | | | 150 | 1500 | N/0 | |
| 78 | | | N/0 | 1200 | 1000 | |
| 79 | | | N/0 | 60 | N/0 | |
| 80 | | | | N/0 | N/0 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | E. SEPT | E. SEPT | E. SEPT | |
| START | | | SEPT | SEPT | M. SEPT | |
| PEAK | | | OCT | SEPT | SEPT | |
| END | | | NOV | OCT | OCT | |

REMARKS


PRINCESS ROYAL ISLAND
RICHARDSON RANGE
LAREDO CHANNEL
Monk Bay
Dallain Point
Rapids
Rapids
Rapids
Rapids
Rapids
IR 6
L 1362
450±
470±
775±
160±
125±
60±
305±
42
41
40
39
38
37
36
35
34
33
32
31
30
N
Dallain Creek
0
2
kilometres
WJ

NAME OF STREAM (Dallain Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows SE. into Monk Bay, head of Laredo Inlet, Rge. 3, Coast Dist.

POSITION 52°N 128°W

LENGTH 4.0 km WIDTH m DRAINAGE km$^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m$^2$ SPAWNING AREA m$^2$

DISCHARGE (m$^3$/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

Impassable falls at 2.5 km

SPAWNING DISTRIBUTION

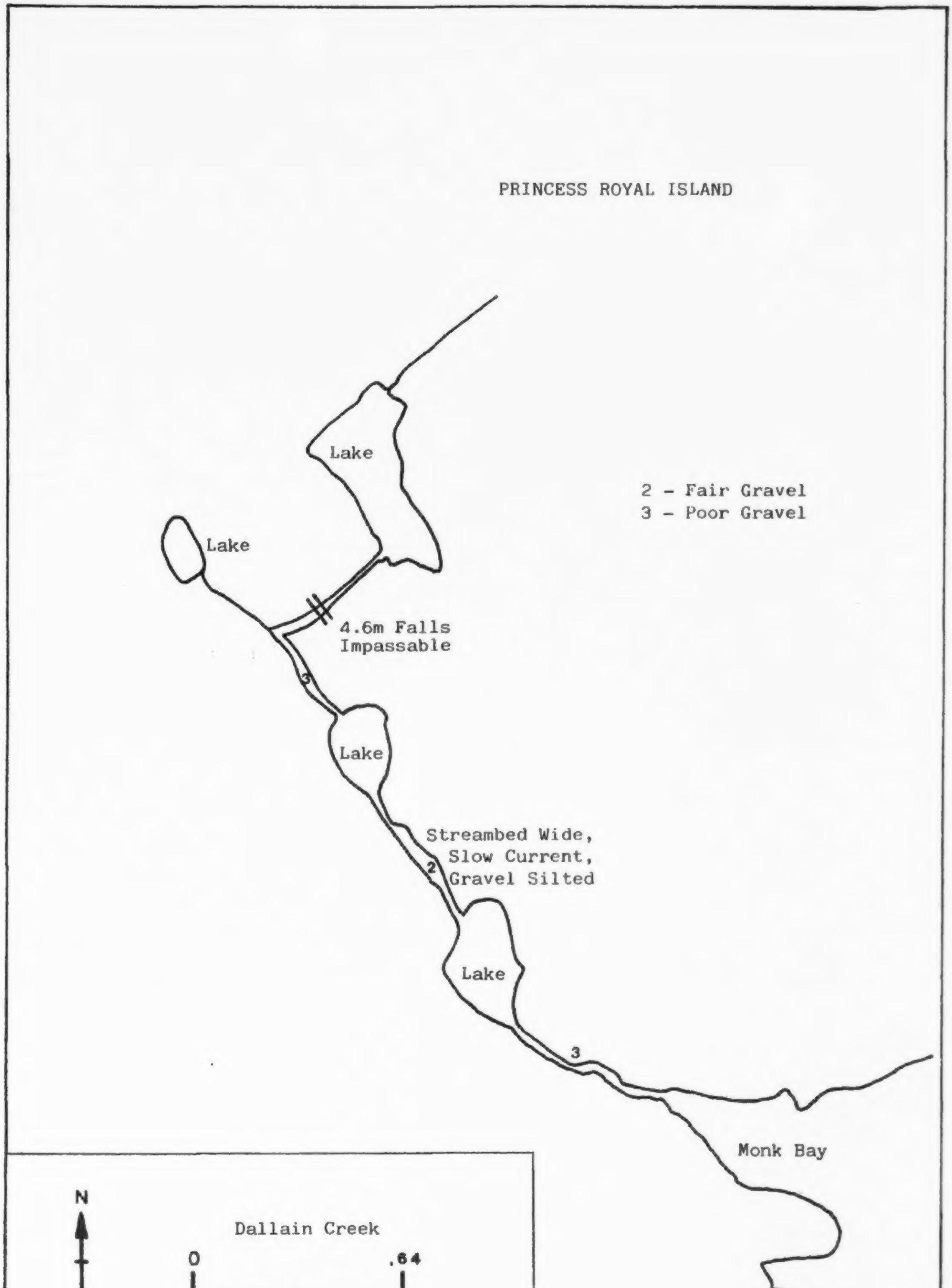
| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - scattered throughout |
| CHINOOK | |
| COHO | - scattered throughout |
| CHUM | - scattered throughout |
| PINK (ODD YEAR) | - scattered throughout |
| PINK (EVEN YEAR) | - scattered throughout |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1951. Low summer flows
-1953-1955. High fall flows
-1965, 1966. Passable beaver dam observed 1.2 km upstream from mouth

- This stream has little potential as a salmon producer, no fish having been observed since 1974, and 1965 was the last major sighting prior to that
- Subject to variable water levels during the upstream migration period
- Light predation by bears and wolves

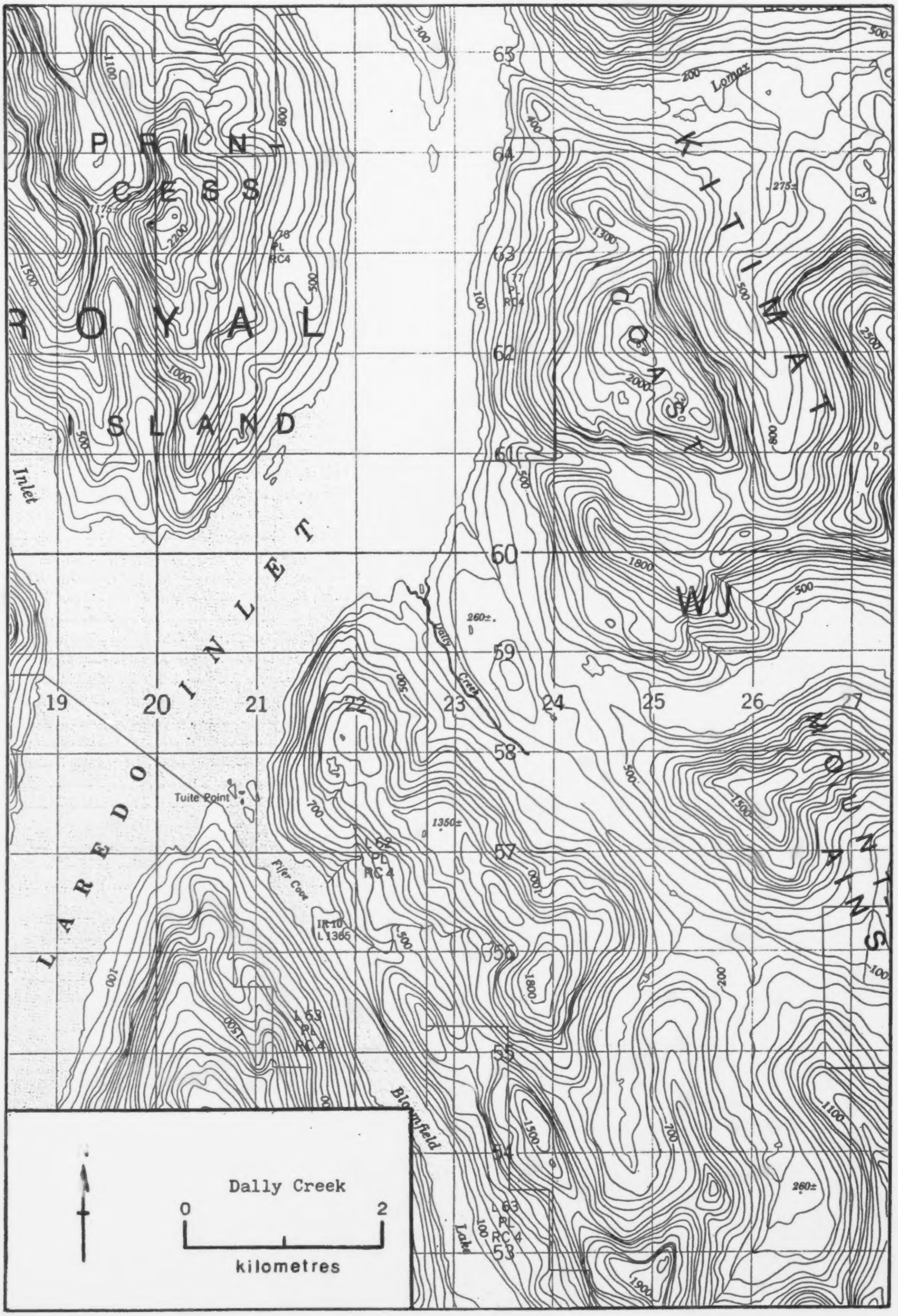

PRINCESS ROYAL ISLAND
Lake
Lake
2 - Fair Gravel
3 - Poor Gravel
4.6m Falls Impassable
3
Lake
Streambed Wide, Slow Current, Gravel Silted
2
Lake
3
Monk Bay
N
Dallain Creek
0
.64
kilometres

ESCAPEMENT RECORD FOR (Dallain Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | 1500 | | 1500 | 750 | 400 | |
| 48 | | | 750 | | 750 | |
| 49 | 750 | | 400 | 200 | 75 | |
| 50 | 1500 | | 750 | 200 | 400 | |
| 51 | 100 | | 500 | 100 | 300 | |
| 52 | | | | | 1500 | |
| 53 | 400 | | 400 | 200 | 400 | |
| 54 | 400 | | 400 | 75 | 750 | |
| 55 | 75 | | 75 | 25 | 75 | |
| 56 | 750 | | 400 | 200 | 750 | |
| 57 | 400 | | 400 | 400 | N/O | |
| 58 | 400 | | 400 | 200 | 750 | |
| 59 | 25 | | 200 | 25 | 25 | |
| 60 | 750 | | 400 | 200 | 750 | |
| 61 | N/O | | 400 | N/O | N/O | |
| 62 | 400 | | 750 | 750 | 1500 | |
| 63 | 75 | | 750 | 400 | 750 | |
| 64 | 75 | | 400 | N/O | 1500 | |
| 65 | UNK | | 750 | 750 | 1500 | |
| 66 | UNK | | UNK | UNK | UNK | |
| 67 | N/O | | N/O | N/O | N/O | |
| 68 | N/O | | N/O | N/O | N/O | |
| 69 | N/O | | N/O | N/O | N/O | |
| 70 | N/O | | N/O | N/O | 75 | |
| 71 | N/O | | N/O | N/O | N/O | |
| 72 | N/O | | N/O | N/O | N/O | |
| 73 | N/O | | N/O | N/O | N/O | |
| 74 | 50 | | | | 200 | |
| 75 | N/O | | N/O | N/O | N/O | |
| 76 | | | | | N/O | |
| 77 | | | NOT INSPECTED | | | |
| 78 | N/O | | N/O | N/O | N/O | |
| 79 | N/O | | N/O | N/O | N/O | |
| 80 | N/O | | N/O | N/O | N/O | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| TIMING | | | | | | |
| ARRIVE | | | | | | |
| START | | | | | | |
| PEAK | | | | | | |
| END | | | | | | |

REMARKS


PRINCESS ROYAL ISLAND
LAREDO INLET
KITIMAT MOUNTAINS
COAST
Inlet
Lomax
Dally Creek
Tuite Point
Filer Cove
Bloomfield Lake
WJ
L 78 PL RC4
L 77 PL RC4
L 62 PL RC 4
IR 10 L 1366
L 63 PL RC4
L 63 PL RC 4
19
20
21
22
23
24
25
26
27
53
54
55
56
57
58
59
60
61
62
63
64
65
Dally Creek
0
2
kilometres

NAME OF STREAM DALLY CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows NW. into Laredo Inlet, Rge. 3, Coast Dist.

POSITION 52°N 128°W

LENGTH 4.8 km WIDTH m DRAINAGE km$^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m$^2$ SPAWNING AREA m$^2$

DISCHARGE (m$^3$/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - to 3.2 km |
| CHUM | - to 3.2 km |
| PINK (ODD YEAR) | - to 3.2 km |
| PINK (EVEN YEAR) | - to 3.2 km |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1951. Low flows occurred in August and early September

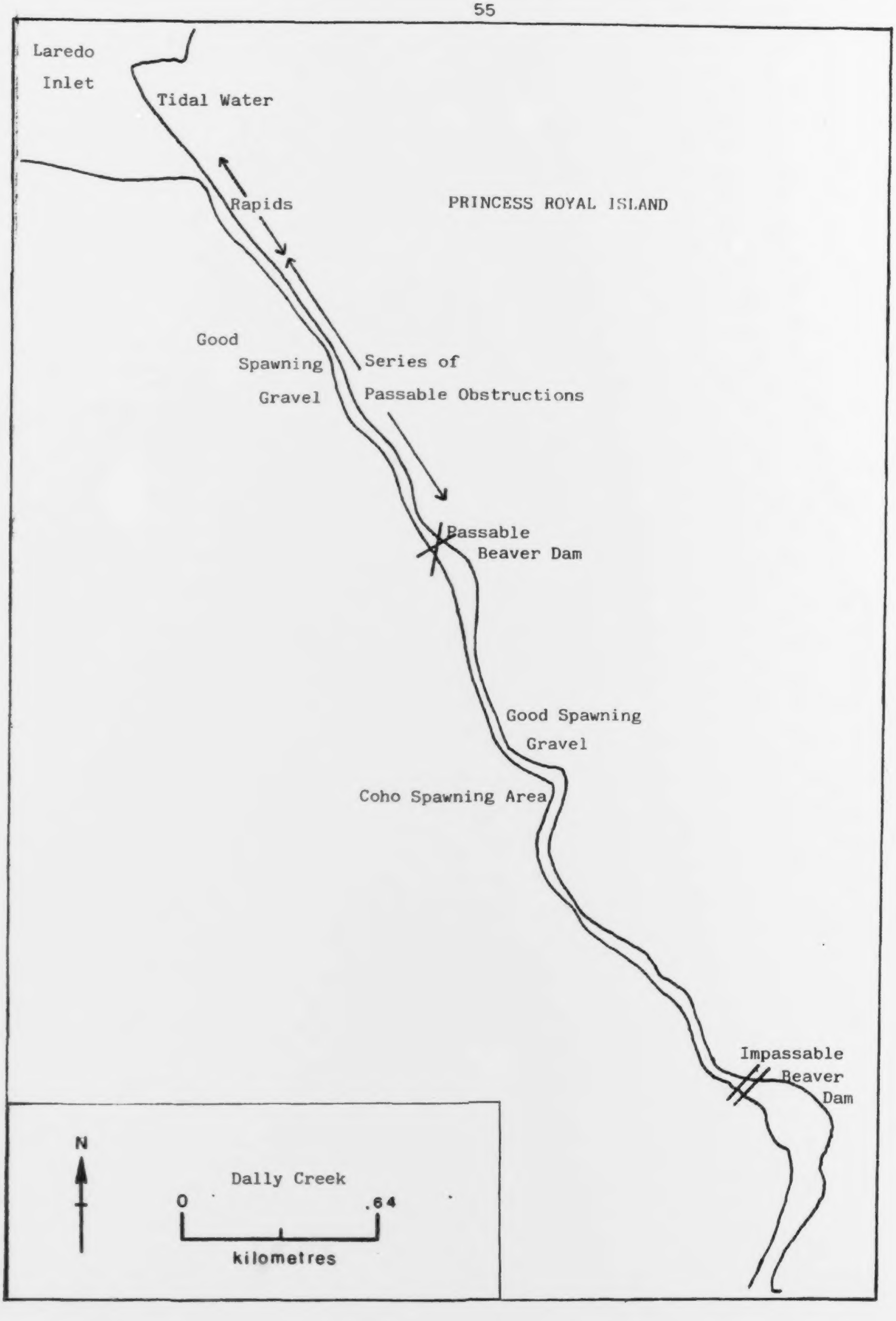
-1953. Recommended removal of log jams located 274 m to 3.2 km upstream from the mouth, to increase the upstream habitat available to coho, pink and chum runs regardless of water levels

-1957-1958. Stream cleared of log debris and reopened to fish

-1959. Log jams reappeared 0.4-3.2 km upstream from the mouth. The obstructions were passable so inspectors recommended seasonal monitoring of situation

-1960-present. Seasonal obstruction monitoring continued

- Considered to have little spawning potential
- The creek bed is generally steep and rocky, although fair spawning habitat exists in the upper reaches
- Subject to seasonal fluctuations in flows and predation by bears, wolves, and eagles


Laredo
Inlet
Tidal Water
Rapids
PRINCESS ROYAL ISLAND
Good
Spawning
Gravel
Series of
Passable Obstructions
Passable
Beaver Dam
Good Spawning
Gravel
Coho Spawning Area
Impassable
Beaver
Dam
N
Dally Creek
0
.64
kilometres

ESCAPEMENT RECORD FOR DALLY CREEK

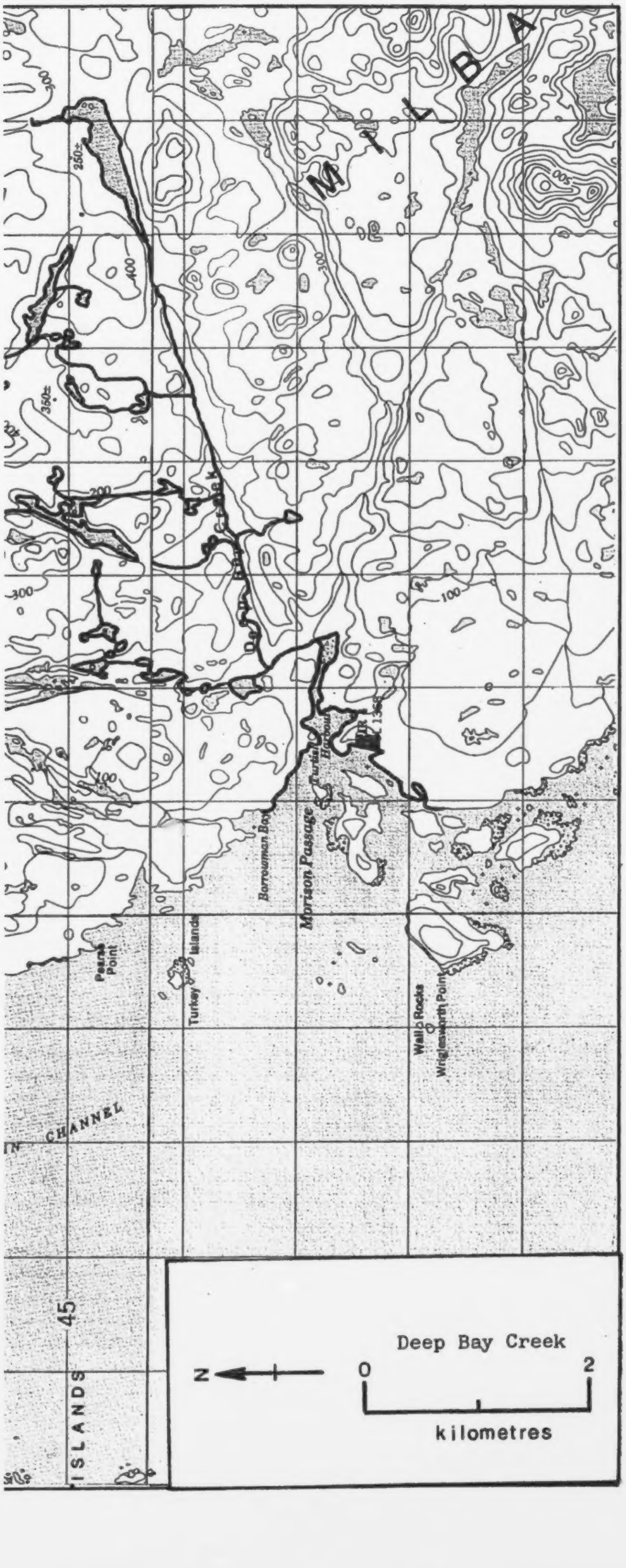
| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 25 | 25 | 25 | |
| 48 | | | 25 | | 400 | |
| 49 | | | 25 | 75 | 25 | |
| 50 | | | 25 | 25 | 25 | |
| 51 | | | 500 | 50 | 50 | |
| 52 | | | | | | |
| 53 | | | 75 | 200 | 25 | |
| 54 | | | 750 | 200 | 75 | |
| 55 | | | 25 | 25 | 75 | |
| 56 | | | 75 | 200 | 75 | |
| 57 | | | N/O | 750 | N/O | |
| 58 | | | N/O | 400 | 75 | |
| 59 | | | 25 | 25 | 25 | |
| 60 | | | 25 | 25 | 25 | |
| 61 | | | 25 | 25 | 200 | |
| 62 | | | 200 | 75 | 7500 | |
| 63 | | | 200 | 200 | 750 | |
| 64 | | | 25 | 1500 | 3500 | |
| 65 | | | N/O | N/O | N/O | |
| 66 | | | N/O | N/O | N/O | |
| 67 | | | 25 | 25 | N/O | |
| 68 | | | 75 | N/O | N/O | |
| 69 | | | N/O | N/O | 50 | |
| 70 | | | N/O | 25 | 75 | |
| 71 | | | N/O | N/O | 25 | |
| 72 | | | | | 3500 | |
| 73 | | | N/O | 150 | 200 | |
| 74 | | | 50 | 50 | 50 | |
| 75 | | | | | N/O | |
| 76 | | | | | N/O | |
| 77 | | | N/O | N/O | N/O | |
| 78 | | | N/O | N/O | N/O | |
| 79 | | | N/O | N/O | N/O | |
| 80 | | | | 3 | 25 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | | E. SEPT | |
| START | | | | | SEPT | |
| PEAK | | | | | SEPT | |
| END | | | | | L. SEPT | |

REMARKS

- 1965. Creek was dry during migration period.


M I L B A
300
250±
400
350±
200
300
100
500
100
Borrowman Bay
Morison Passage
Turtle Harbour
Pearse Point
Turkey Islands
Wallo Rocks
Wrigglesworth Point
CHANNEL
45
ISLANDS
N
Deep Bay Creek
0
2
kilometres

NAME OF STREAM (Deep Bay Creek or Borrowman Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Borrowman Bay, Rge. 3, Coast Dist.

POSITION 52°N 129°W

LENGTH 12.8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - lake outlet and above lake |
| CHINOOK | |
| COHO | - throughout |
| CHUM | - to lake |
| PINK (ODD YEAR) | - to lake |
| PINK (EVEN YEAR) | - to lake |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

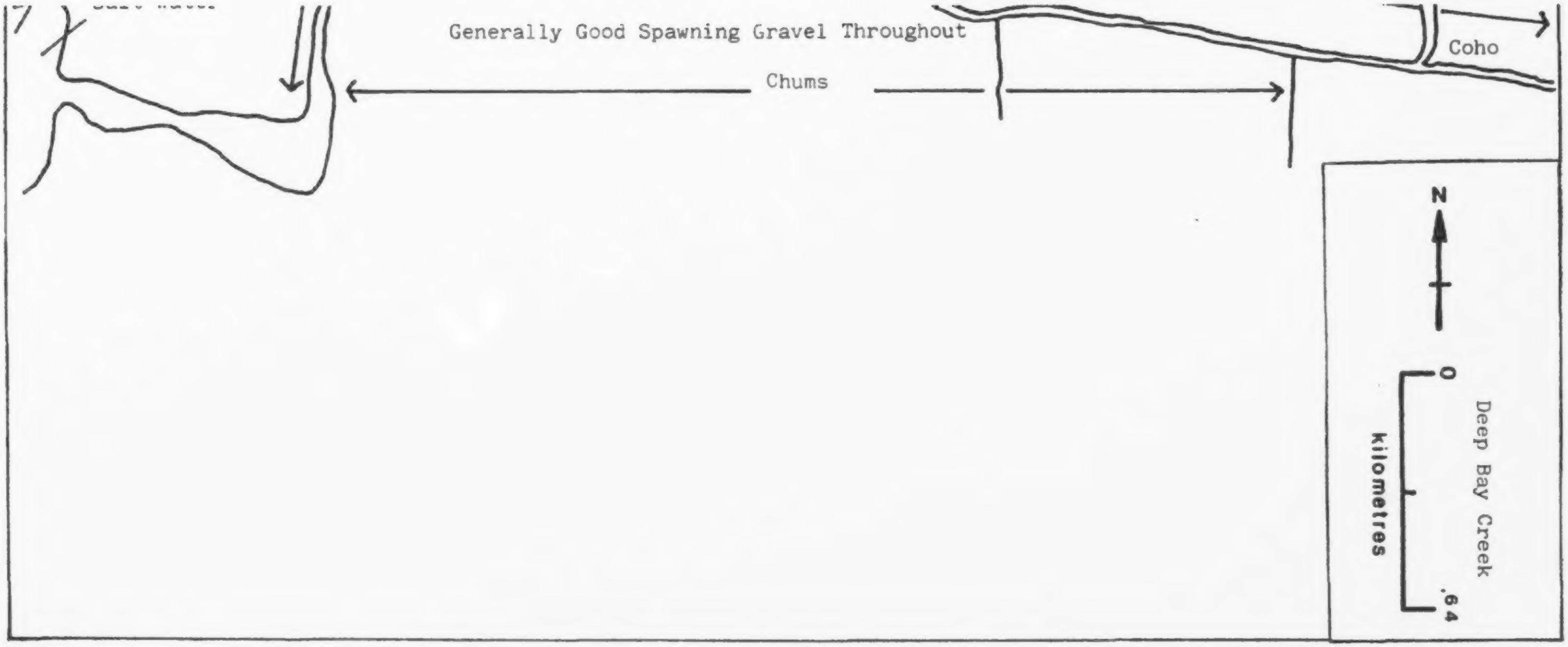
-1968. Some dislodging of previously deposited spawn in areas where pink and chum spawning grounds overlap

-1969. Spawning continued into mid October

-1971. Limited fishing of the west coast of Aristazabal Is. increased the spawning escapement

-1978, 1980. Flooding may have caused some scouring and erosion to system

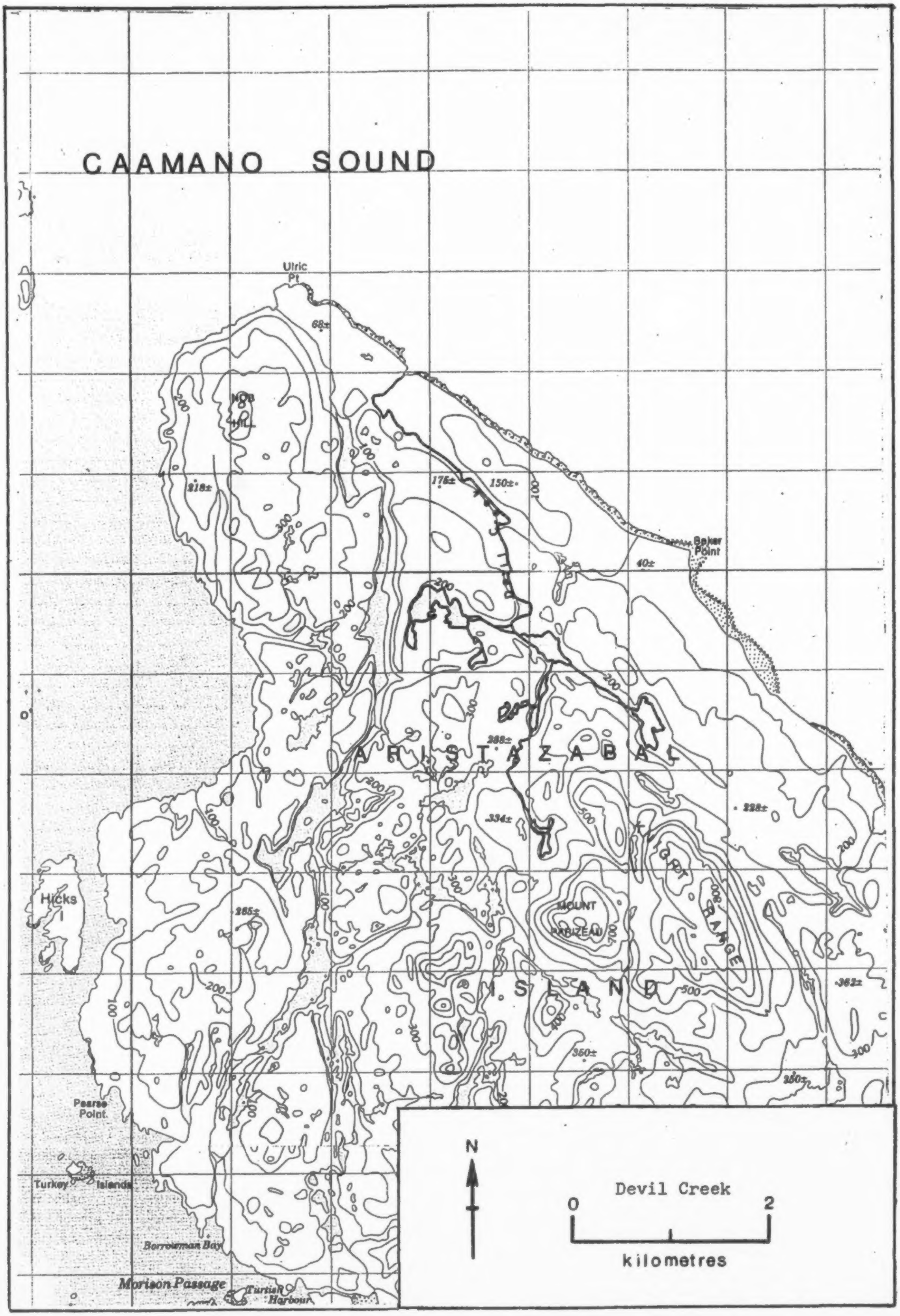
- One of Aristazabal Island's best coho and pink producing streams
- Creek bed is rocky and steep
- Subject to seasonal fluctuations in water flows
- Light predation by bears, birds, wolves, and otters


Generally Good Spawning Gravel Throughout
Chums
Coho
N
0
.64
kilometres
Deep Bay Creek

ESCAPEMENT RECORD FOR (Deep Bay or Borrowman Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | 1500 | | 1500 | 750 | 75 | |
| 48 | | | 400 | | 25 | |
| 49 | 200 | | 400 | 75 | 25 | |
| 50 | 750 | | 1500 | 75 | 25 | |
| 51 | 400 | | 800 | 500 | 50 | |
| 52 | | | | | 75 | |
| 53 | 750 | | 200 | 200 | 25 | |
| 54 | 750 | | 1500 | 1500 | 400 | |
| 55 | 750 | | 3500 | 25 | 400 | |
| 56 | 400 | | 750 | 200 | 750 | |
| 57 | 750 | | 400 | 750 | 400 | |
| 58 | 400 | | 750 | 750 | 200 | |
| 59 | 200 | | 400 | N/O | 200 | |
| 60 | 750 | | 750 | 200 | 75 | |
| 61 | 400 | | 750 | 75 | 200 | |
| 62 | 400 | | 750 | 200 | 750 | |
| 63 | 200 | | 1500 | N/O | 200 | |
| 64 | 75 | | 750 | N/O | 25 | |
| 65 | | | NOT | INSPECTED | | |
| 66 | N/O | | 75 | 650 | 40000 | |
| 67 | | | 400 | 75 | 400 | |
| 68 | N/O | | 1500 | 3500 | 35000 | |
| 69 | 300 | | 200 | 700 | 11000 | |
| 70 | 400 | | 400 | 750 | 35000 | |
| 71 | 400 | | 750 | 200 | 20000 | |
| 72 | 600 | | 1400 | 25 | 18000 | |
| 73 | 4000 | | 300 | 1000 | 6000 | |
| 74 | 1200 | | 500 | 300 | 10000 | |
| 75 | 450 | | 700 | 300 | 9000 | |
| 76 | 1400 | | 600 | 325 | 41000 | |
| 77 | 500 | | 250 | 100 | 4000 | |
| 78 | 900 | | 300 | 500 | 9000 | |
| 79 | 750 | | 400 | 250 | 9000 | |
| 80 | 500 | | 500 | 1000 | 10000 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |
| TIMING | | | | | | |
| ARRIVE | L. JULY | | E. SEPT | E. SEPT | E. SEPT | |
| START | M. SEPT | | L. SEPT | E. SEPT | E. SEPT | |
| PEAK | L. SEPT | | OCT | L. SEPT | M. SEPT | |
| END | M. OCT | | NOV | OCT | E. OCT | |

REMARKS


CAAMANO SOUND
Ulric Pt
68±
NOB HILL
200
100
218±
300
175±
150±
Baker Point
40±
ARISTAZABAL
288±
334±
500
228±
KNIGHT RANGE
MOUNT PARIZEAU
700
800
Hicks I
265±
ISLAND
362±
400
350±
300
Pearse Point
Turkey Islands
Borrowman Bay
Morison Passage
Turtish Harbour
N
0
2
kilometres

Devil Creek

NAME OF STREAM (Devil Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Laredo Inlet, Rge. 3, Coast Dist.

POSITION 52°N 129°15'W

LENGTH 2.4 km WIDTH m DRAINAGE km$^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m$^2$ SPAWNING AREA m$^2$

DISCHARGE (m$^3$/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 275 m

SPAWNING DISTRIBUTION

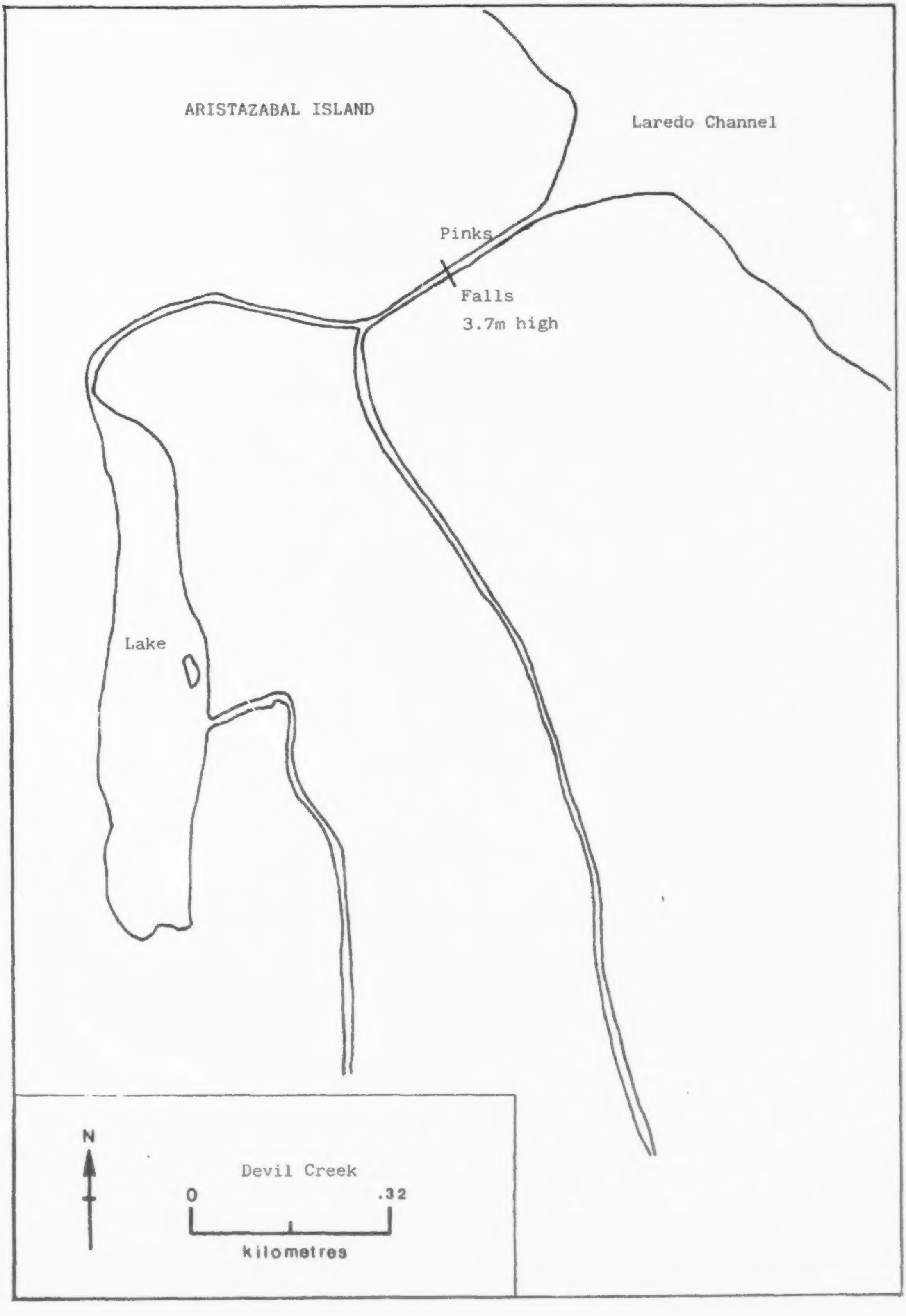
| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - to lake |
| CHUM | - to falls |
| PINK (ODD YEAR) | - to falls |
| PINK (EVEN YEAR) | - to falls |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1978. November 1st flood may have caused some scouring of streambed

- A poor salmon producer
- Drains numerous small streams
- Subject to seasonal fluctuations in flow regime
- Streambed mostly bedrock
- Light predation


ARISTAZABAL ISLAND
Laredo Channel
Pinks
Falls
3.7m high
Lake
N
Devil Creek
0
.32
kilometres

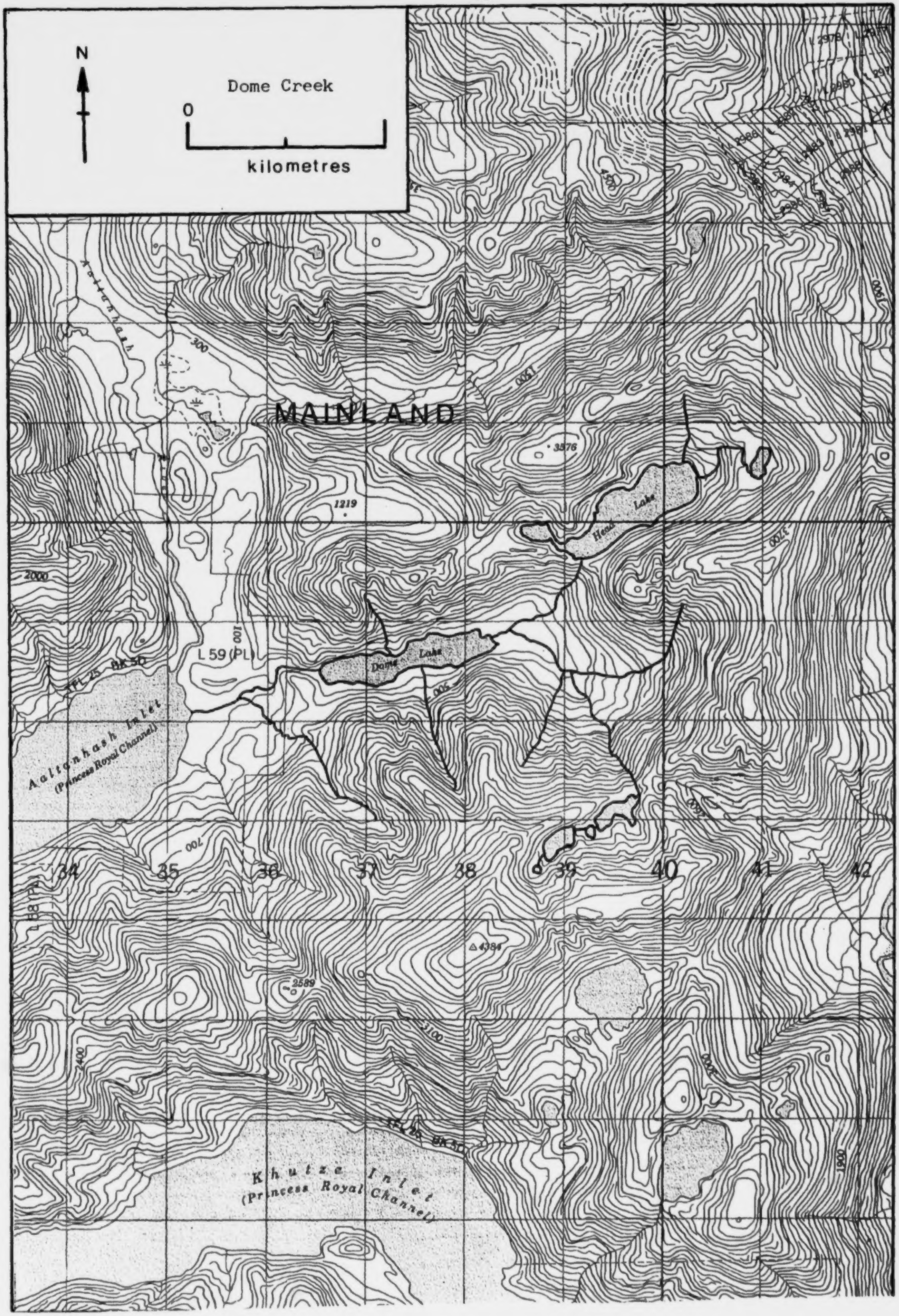
ESCAPEMENT RECORD FOR (Devil Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 25 | 75 | 25 | |
| 48 | | | 25 | | 25 | |
| 49 | | | 25 | 75 | 75 | |
| 50 | | | 25 | 25 | 25 | |
| 51 | | | 50 | 100 | 50 | |
| 52 | | | | | 200 | |
| 53 | | | 25 | 200 | 75 | |
| 54 | | | 200 | 400 | 1500 | |
| 55 | | | 75 | 200 | 75 | |
| 56 | | | 400 | 200 | 750 | |
| 57 | | | 200 | 750 | 200 | |
| 58 | | | 200 | 400 | 200 | |
| 59 | | | 200 | 25 | 200 | |
| 60 | | | 25 | 200 | 75 | |
| 61 | | | 25 | 25 | 200 | |
| 62 | | | 200 | 200 | 750 | |
| 63 | | | N/O | 25 | 400 | |
| 64 | | | 25 | 75 | N/O | |
| 65 | | | NOT INSPECTED | | | |
| 66 | | | N/O | N/O | N/O | |
| 67 | | | 200 | 75 | N/O | |
| 68 | | | N/O | 25 | 1500 | |
| 69 | | | N/O | 30 | 300 | |
| 70 | | | 25 | 25 | 1500 | |
| 71 | | | N/O | N/O | N/O | |
| 72 | | | N/O | N/O | 1100 | |
| 73 | | | N/O | N/O | 40 | |
| 74 | | | N/O | N/O | 1000 | |
| 75 | | | N/O | 1 | 200 | |
| 76 | | | N/O | N/O | 2000 | |
| 77 | | | 20 | N/O | 10 | |
| 78 | | | N/O | N/O | 500 | |
| 79 | | | N/O | N/O | 25 | |
| 80 | | | NOT INSPECTED | | | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | | E. SEPT | |
| START | | | | | M. SEPT | |
| PEAK | | | | | L. SEPT | |
| END | | | | | OCT | |

REMARKS


N
Dome Creek
0
kilometres
MAINLAND
3576
1219
Head Lake
Dome Lake
L 59 (PL)
TFL 25 BK 50
Aaltanhash Inlet
(Princess Royal Channel)
34
35
36
37
38
39
40
41
42
4384
2589
Khutze Inlet
(Princess Royal Channel)
TFL 25 BK 50

NAME OF STREAM (Dome Creek or Head Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Aaltanhash Inlet, Rge. 4, Coast Dist.

POSITION 53°10'N 128°35'W

LENGTH 2.5 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Only coho can pass falls located 2.5 km from the stream mouth

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - to lake |
| CHUM | - to 1.5 km |
| PINK (ODD YEAR) | - to 1.5 km |
| PINK (EVEN YEAR) | - to 1.5 km |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

- Lake above obstructions suitable for coho

GENERAL REMARKS

-1968. Evidence of chum salmon digging up pink salmon eggs deposited earlier in the season

-1974. October 15th flood likely caused some loss of spawn

- 1978, 1980. Flooding may have caused some scouring and erosion to system

- Lake-fed stream reduces impact of drought
- Log jams and windfall debris cleared as required
- Some predation by bears and birds

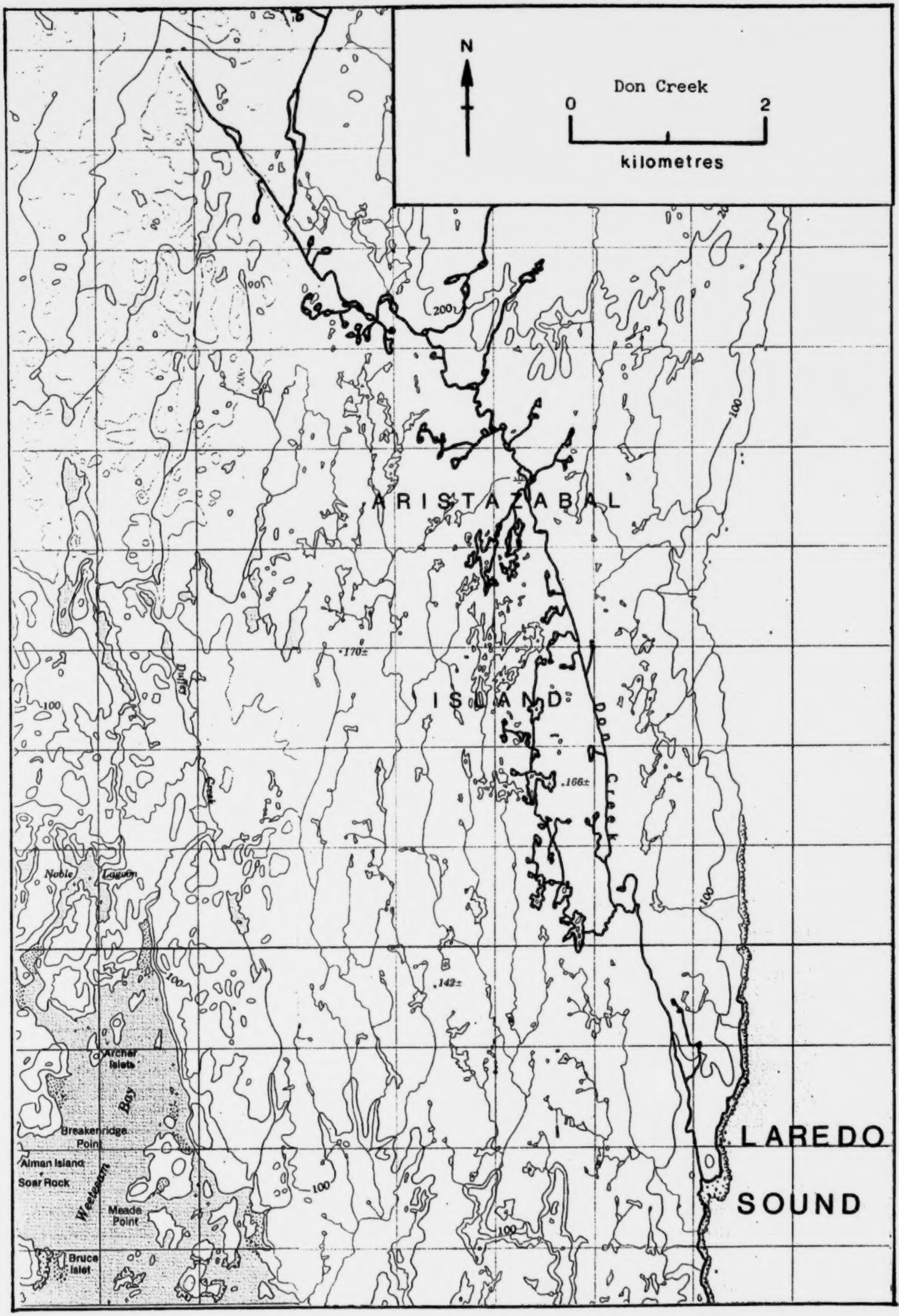
ESCAPEMENT RECORD FOR (Dome or Head Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | | 3500 | 400 | |
| 48 | | | | | 750 | |
| 49 | | | | 3500 | 3500 | |
| 50 | | | 75 | 750 | 750 | |
| 51 | | | 200 | 800 | 12000 | |
| 52 | | | | | 15000 | |
| 53 | | | 75 | 3500 | 1500 | |
| 54 | | | 400 | 400 | 7500 | |
| 55 | | | 75 | 400 | 7500 | |
| 56 | | | 750 | 200 | 7500 | |
| 57 | | | 400 | 1500 | 750 | |
| 58 | | | 75 | 750 | 7500 | |
| 59 | | | 75 | 200 | 3500 | |
| 60 | | | 3500 | 15000 | 15000 | |
| 61 | | | 400 | 7500 | 15000 | |
| 62 | | | 750 | 750 | 15000 | |
| 63 | | | 1500 | 1500 | 15000 | |
| 64 | | | 400 | 7500 | 7500 | |
| 65 | | | 3500 | 3500 | 15000 | |
| 66 | | | 75 | 1000 | 2400 | |
| 67 | | | 1500 | 3500 | 1500 | |
| 68 | | | 400 | 400 | 1500 | |
| 69 | | | 75 | 25 | 500 | |
| 70 | | | 200 | 1500 | 3500 | |
| 71 | | | N/O | 1500 | 4500 | |
| 72 | | | N/O | 200 | 4000 | |
| 73 | | | N/O | 500 | 4000 | |
| 74 | | | N/O | 2500 | 1000 | |
| 75 | | | 100 | 550 | 2500 | |
| 76 | | | 150 | 50 | 2500 | |
| 77 | | | 75 | 50 | 700 | |
| 78 | | | 30 | 250 | 300 | |
| 79 | | | 200 | N/O | 650 | |
| 80 | | | 25 | 150 | 1100 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | E. SEPT | L. AUG | L. AUG | |
| START | | | L. SEPT | E. SEPT | E. SEPT | |
| PEAK | | | M. OCT | M. SEPT | M. SEPT | |
| END | | | NOV | L. SEPT | L. SEPT | |

REMARKS


N
Don Creek
0
2
kilometres
ARISTAZABAL
ISLAND
Don Creek
Duffy Creek
Noble Lagoon
200
100
170±
166±
142±
Archer Islets
Weeteeam Bay
Breakenridge Point
Alman Island
Soar Rock
Meade Point
Bruce Islet
LAREDO
SOUND

NAME OF STREAM (Don Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Laredo Sound

POSITION 53°15'N 128°47'W

LENGTH 15.3 km WIDTH m DRAINAGE $km^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA $m^2$ SPAWNING AREA $m^2$

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - upper reaches |
| CHINOOK | |
| COHO | - throughout |
| CHUM | - to lake |
| PINK (ODD YEAR) | - to lake |
| PINK (EVEN YEAR) | - to lake |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1978, 1980. Flooding may have caused some scouring and erosion to the system

- No significant spawning potential
- Spawning grounds occur 1.6 km upstream from the mouth and beyond
- Subject to seasonal fluctuations in water levels
- Exposed position of stream makes inspection difficult

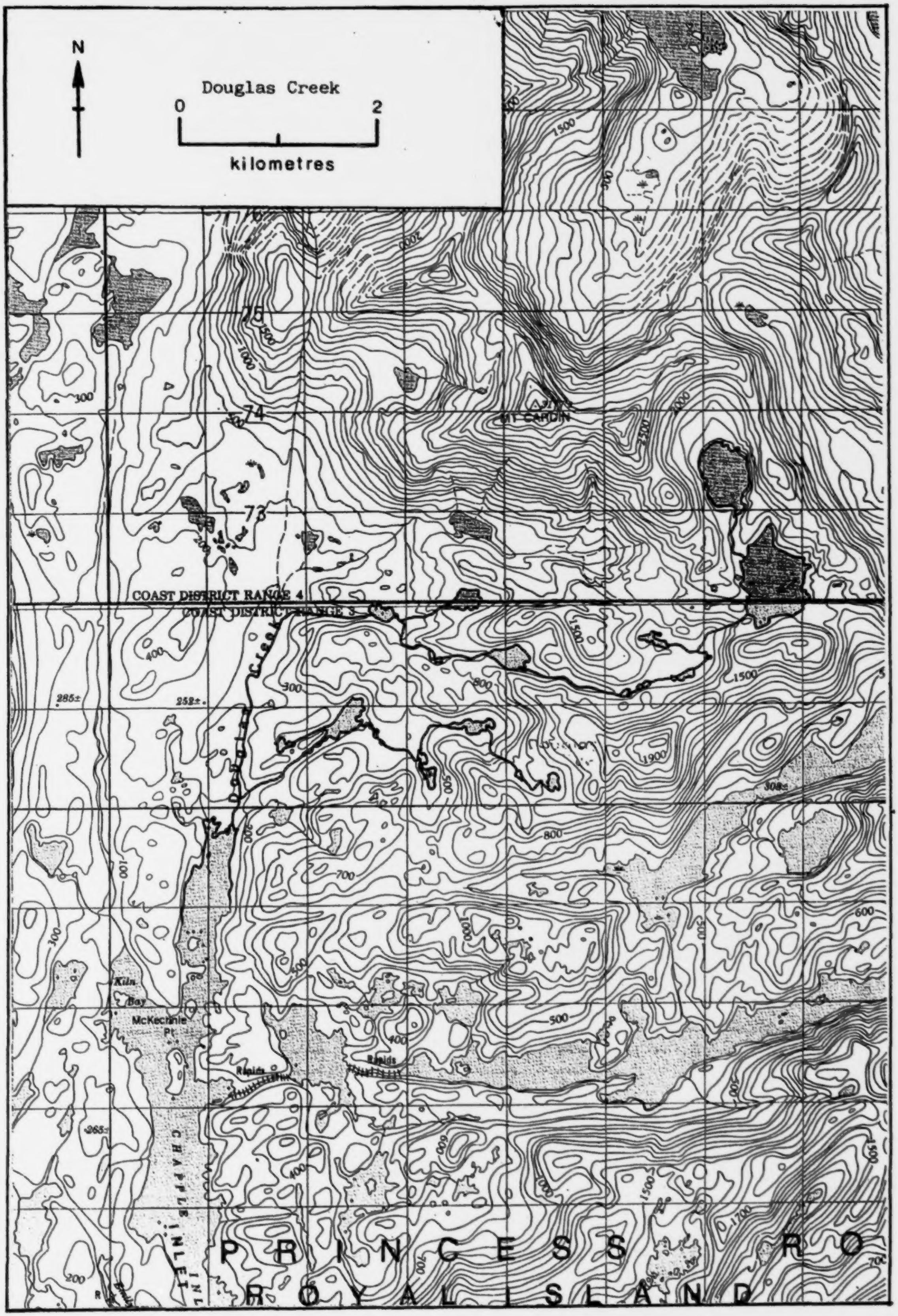
ESCAPEMENT RECORD FOR (Don Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | 75 | | 750 | 400 | N/O | |
| 48 | | | 750 | | 25 | |
| 49 | 400 | | 400 | 75 | 25 | |
| 50 | 75 | | 200 | 25 | 25 | |
| 51 | 50 | | 500 | 700 | 100 | |
| 52 | | | | | 200 | |
| 53 | 75 | | 75 | 25 | 25 | |
| 54 | 75 | | 400 | 25 | 200 | |
| 55 | 75 | | 400 | 75 | 75 | |
| 56 | 400 | | 1500 | 75 | 750 | |
| 57 | 750 | | 1500 | 200 | 75 | |
| 58 | 200 | | 750 | 750 | 400 | |
| 59 | 25 | 25 | 25 | 75 | 25 | |
| 60 | 25 | 25 | 750 | 75 | 400 | |
| 61 | 200 | | 750 | 200 | 25 | |
| 62 | 750 | | 400 | N/O | 200 | |
| 63 | 25 | | 25 | 25 | 25 | |
| 64 | | | N/O | N/O | N/O | |
| 65 | | | NOT INSPECTED | | | |
| 66 | N/O | | 50 | N/O | N/O | |
| 67 | | | NOT INSPECTED | | | |
| 68 | N/O | | 75 | 75 | 200 | |
| 69 | | | | | | |
| 70 | | | | | | |
| 71 | | | | | | |
| 72 | | NOT INSPECTED BETWEEN 1969-1975 | | | | |
| 73 | | | | | | |
| 74 | | | | | | |
| 75 | | | | | | |
| 76 | | | 200 | | 27000 | |
| 77 | | | 200 | | 700 | |
| 78 | | | 50 | 50 | 5000 | |
| 79 | | | 200 | | 750 | |
| 80 | | | N/O | | 1500 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | M. SEPT | | L. AUG | |
| START | | | E. OCT | | E. SEPT | |
| PEAK | | | L. OCT | | L. SEPT | |
| END | | | NOV | | OCT | |

REMARKS


N
Douglas Creek
0
2
kilometres
76
75
74
73
MT CARDIN
COAST DISTRICT RANGE 4
COAST DISTRICT RANGE 3
Douglas Creek
Kiln Bay
McKechnie Pt.
Rapids
Rapids
CHAPPLE INLET
PRINCESS ROYAL ISLAND
1500
1000
2000
2500
300
400
800
1900
700
500
600
100
200
285±
252±
308±
1700

NAME OF STREAM (Douglas Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Chapple Inlet, Rge. 3, Coast Dist.

POSITION 52°N 129°W

LENGTH 10.4 km WIDTH m DRAINAGE km$^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

| PERCENT GRADIENT | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m$^2$ SPAWNING AREA m$^2$

DISCHARGE (m$^3$/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - lake outlet |
| CHINOOK | |
| COHO | - throughout |
| CHUM | - to 5.0 km |
| PINK (ODD YEAR) | - to 5.0 km |
| PINK (EVEN YEAR) | - to 5.0 km |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1957. Dark water at time of inspection

-1968. Since flows were too low for fish to enter the stream, about 300 pinks spawned in tidal waters

-1971. Very low flows confined spawning to area below falls

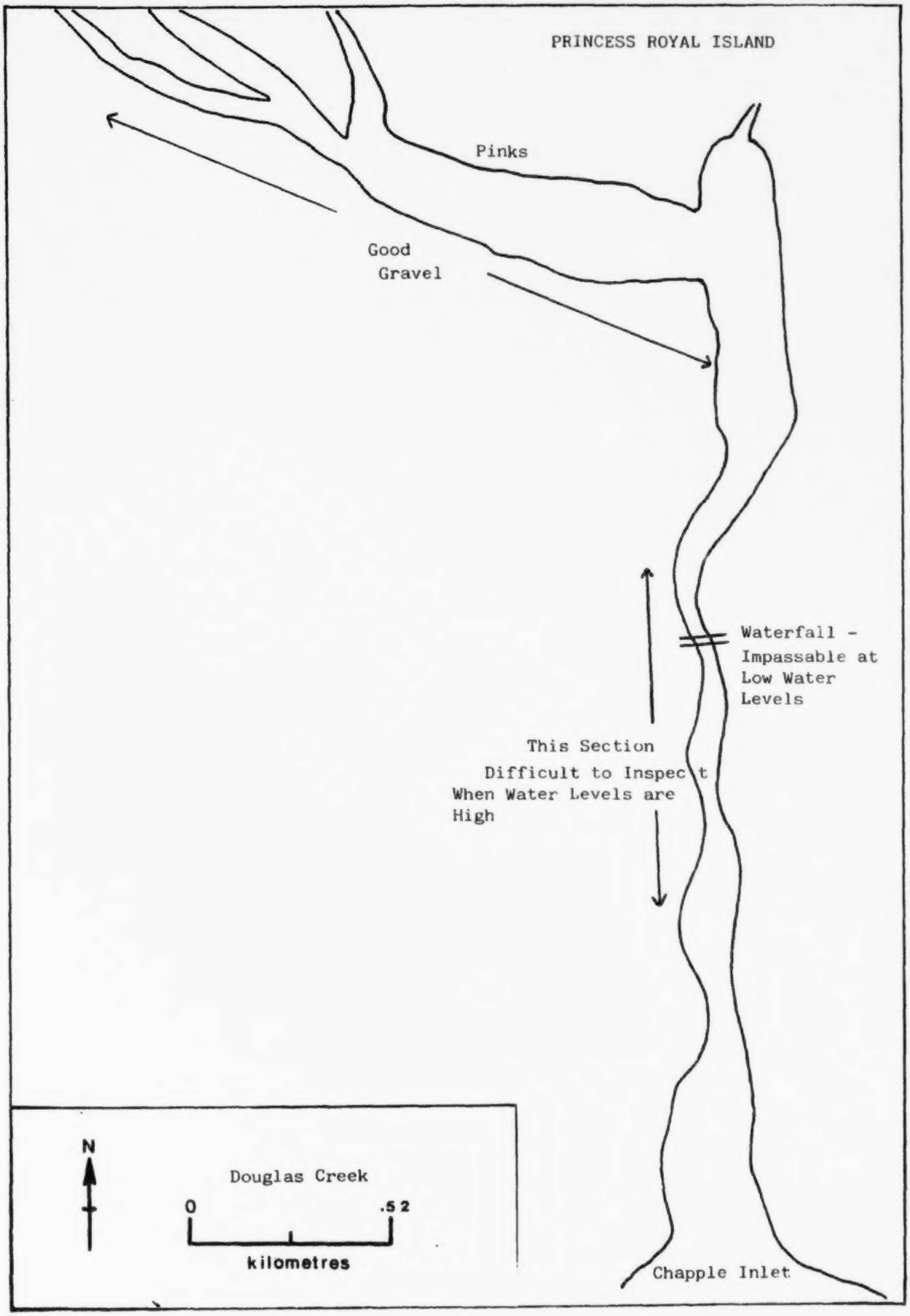
-1972. Aug. 17th, 18th, and 20th water levels were too low for fish to enter the stream

-1974. Flood on Oct. 15th probably caused some scouring of the streambed

-1978. There was localized evidence of late spawners digging up the eggs of previuously spawned fish

-1978, 1980. Winter flooding may have caused streambed damage

- Steep and rocky between mouth and lake
- Subject to seasonal fluctuations in water levels
- Predation by bears, wolves, and birds


PRINCESS ROYAL ISLAND
Pinks
Good Gravel
Waterfall - Impassable at Low Water Levels
This Section Difficult to Inspect When Water Levels are High
N
Douglas Creek
0
.52
kilometres
Chapple Inlet

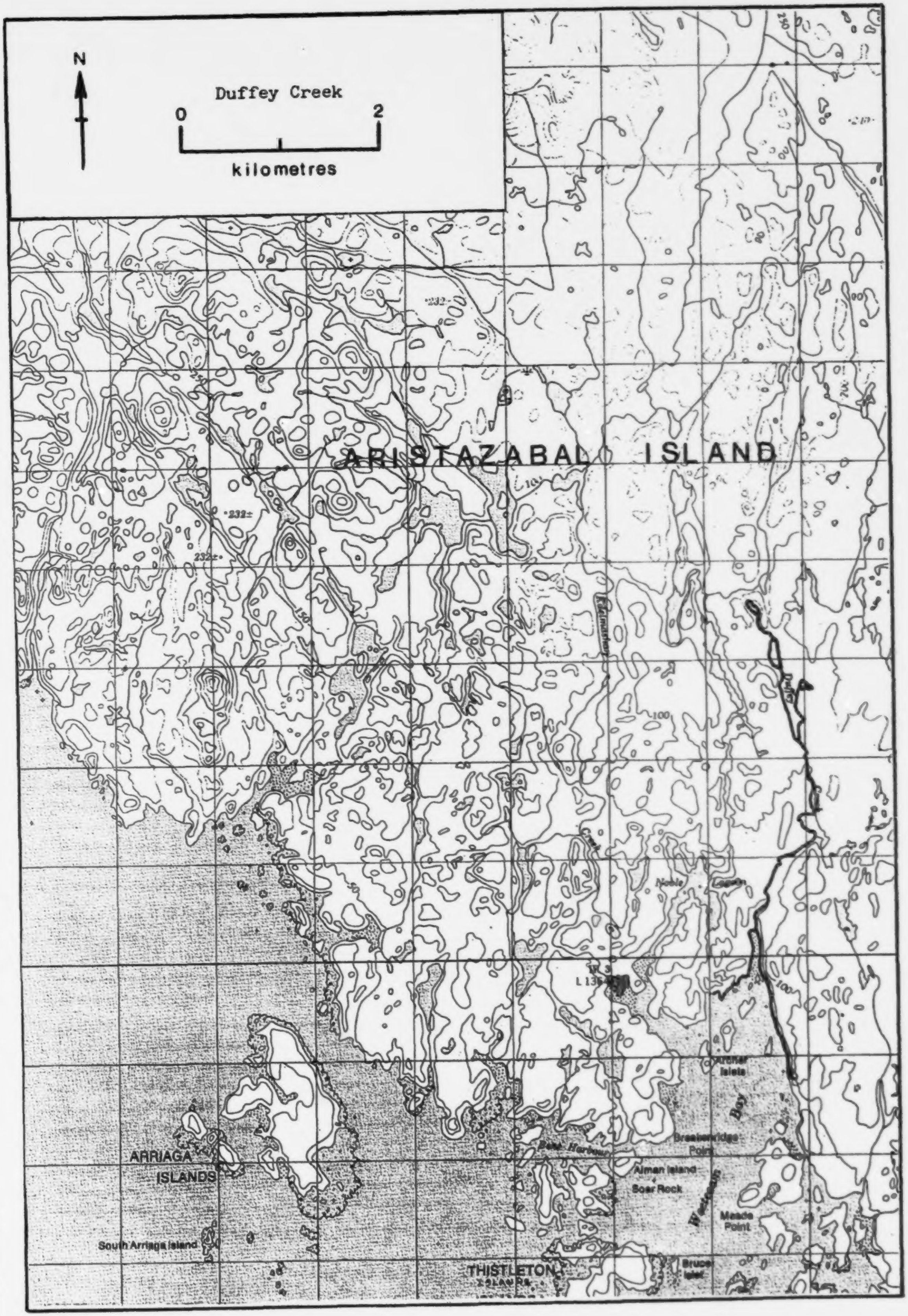
ESCAPEMENT RECORD FOR (Douglas Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 1500 | 200 | | |
| 48 | | | 750 | | 75 | |
| 49 | | | | | 75 | |
| 50 | | | 400 | 400 | 75 | |
| 51 | | | 700 | 50 | 50 | |
| 52 | | | | | 25 | |
| 53 | | | 400 | 750 | 25 | |
| 54 | | | 750 | 200 | 75 | |
| 55 | | | 3500 | 75 | 75 | |
| 56 | | | 7500 | 200 | 400 | |
| 57 | | | 1500 | 200 | 25 | |
| 58 | 75 | | 75 | 200 | 750 | |
| 59 | 200 | | 750 | 200 | 25 | |
| 60 | 200 | | 1500 | 400 | | |
| 61 | N/O | | 200 | 75 | 400 | |
| 62 | 400 | | 1500 | 750 | N/O | |
| 63 | 750 | | 200 | 200 | 1500 | |
| 64 | 200 | | 200 | 75 | 750 | |
| 65 | UNK | | 1500 | 200 | 750 | |
| 66 | N/O | | N/O | 800 | N/O | |
| 67 | N/O | | N/O | N/O | N/O | |
| 68 | N/O | | N/O | N/O | 400 | |
| 69 | N/O | | N/O | N/O | N/O | |
| 70 | N/O | | 200 | N/O | 3500 | |
| 71 | N/O | | N/O | N/O | 75 | |
| 72 | N/O | | N/O | N/O | 3000 | |
| 73 | | | N/O | N/O | 5 | |
| 74 | | | N/O | N/O | 25 | |
| 75 | | | N/O | N/O | N/O | |
| 76 | | | N/O | 2 | 100 | |
| 77 | | | 300 | 25 | 25 | |
| 78 | | | 75 | 150 | 15000 | |
| 79 | | | 75 | 50 | 4500 | |
| 80 | | | 300 | 300 | 19000 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | | | |
| START | | | | | | |
| PEAK | | | | | | |
| END | | | | | | |

REMARKS


N
Duffey Creek
0
2
kilometres
ARISTAZABAL ISLAND
232±
232±
232±
150
100
100
100
Duffey
Creek
Noble
Lagoon
W S
L 136
Archer
Islets
Bay
Breckenridge
Point
Harbour
Alman Island
Soar Rock
Meade
Point
Bruce
Islet
ARRIAGA
ISLANDS
South Arriaga Island
THISTLETON
ISLANDS

NAME OF STREAM DUFFEY CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Head of Weeteeam Bay, Rge. 3, Coast Dist.

POSITION 52°N 129°W

LENGTH 6.4 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

| PERCENT GRADIENT | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Passable falls at 1.0 km to coho only

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - in lake and above |
| CHINOOK | |
| COHO | - throughout |
| CHUM | - to falls |
| PINK (ODD YEAR) | - to falls |
| PINK (EVEN YEAR) | - to falls |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1951. Summer drought and high water temperatures hampered sockeye spawning

-1957. Good run of coho in mid August

-1958, 1959. Surveyed log debris and windfalls

-1959. Closure required in adjacent areas during dry weather periods

-1964. Good fishing outside closure boundaries

-1965, 1966. Suveyed log jams

-1968, 1969. Higher than normal flows during the spawning season

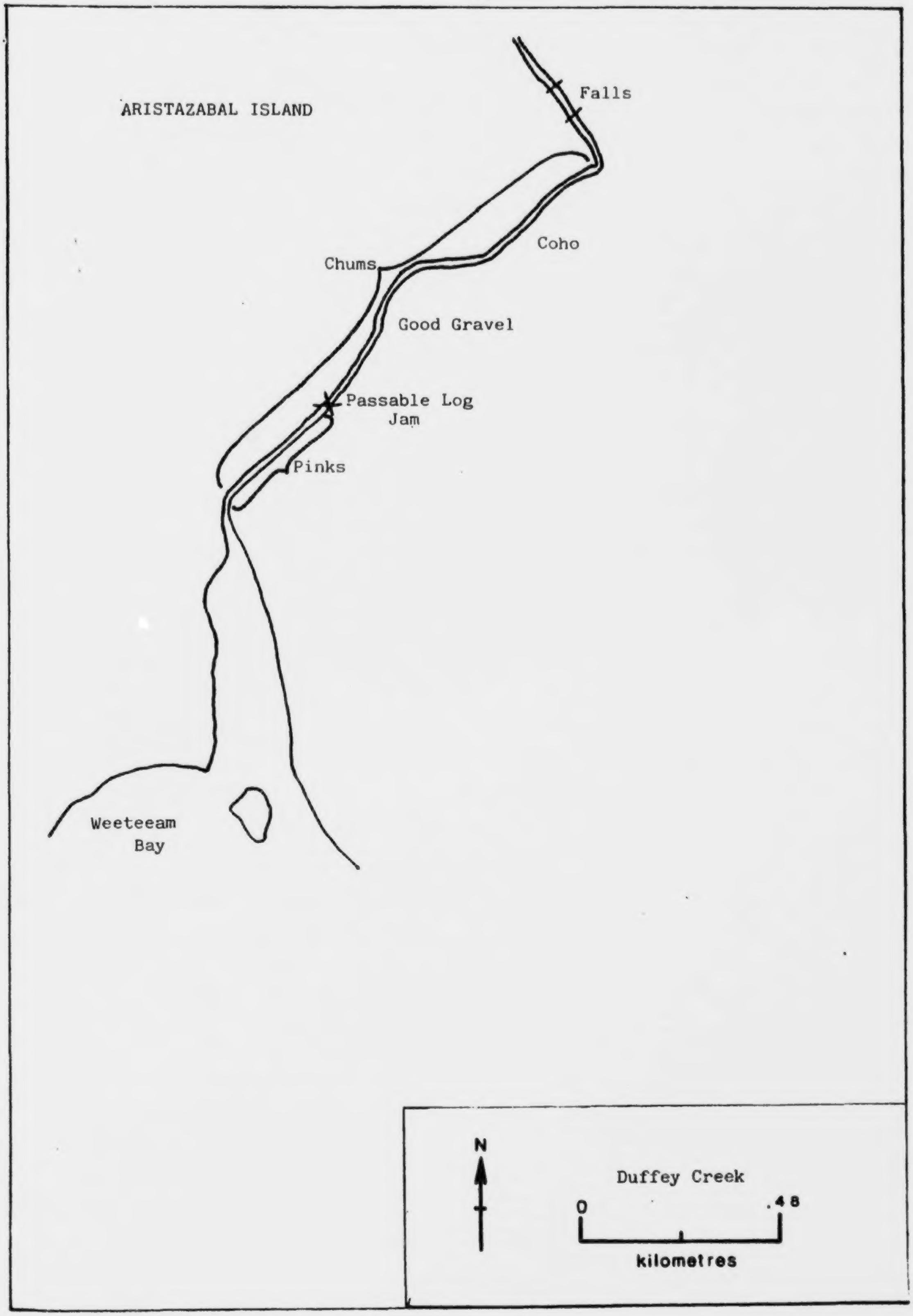
-1973. Poor assessment conditions

-1978, 1980. Winter flooding

-1979. Previously confused with Stannard Creek

- Subject to seasonal fluctuations in water levels

- Some predation by bears, wolves, birds, and otters


ARISTAZABAL ISLAND
Falls
Coho
Chums
Good Gravel
Passable Log Jam
Pinks
Weeteeam Bay
N
Duffey Creek
0
.48
kilometres

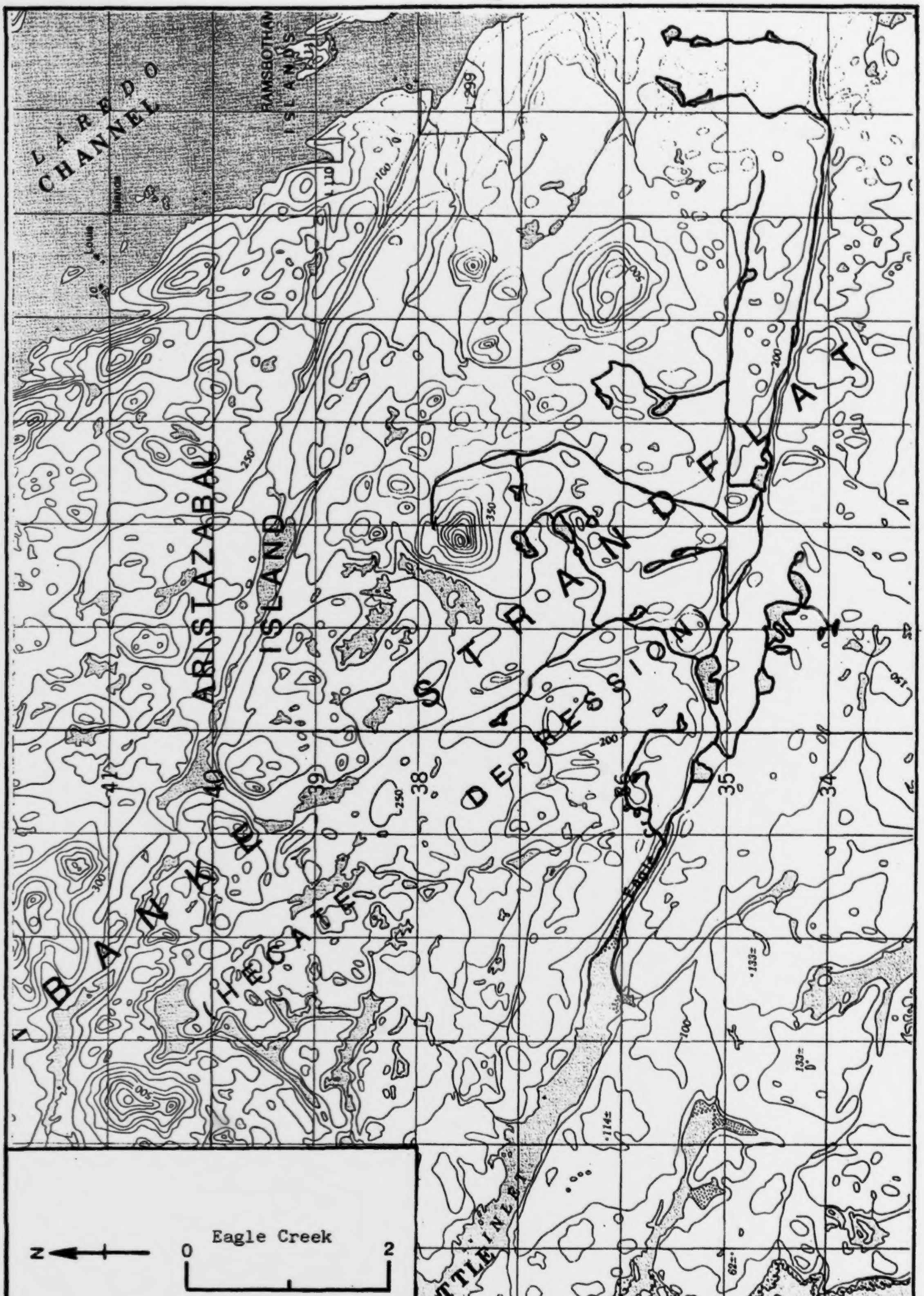
ESCAPEMENT RECORD FOR DUFFEY CREEK (Little Borrowman Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | 750 | | 1500 | 7500 | 3500 | |
| 48 | 400 | | 7500 | 7500 | 7500 | |
| 49 | 750 | | 3500 | 7500 | 7500 | |
| 50 | 400 | | 3500 | 7500 | 15000 | |
| 51 | 300 | | 9000 | 7000 | 8000 | |
| 52 | | | | | 3500 | |
| 53 | 3500 | | 3500 | 7500 | 3500 | |
| 54 | 1500 | | 3500 | 7500 | 15000 | |
| 55 | 1500 | | 3500 | 3500 | 15000 | |
| 56 | 1500 | | 7500 | 3500 | 35000 | |
| 57 | 1500 | | 7500 | 7500 | 7500 | |
| 58 | 1500 | | 3500 | 7500 | 15000 | |
| 59 | 400 | | 750 | 3500 | 3500 | |
| 60 | 750 | | 1500 | 1500 | 7500 | |
| 61 | 400 | | 1500 | 750 | 3500 | |
| 62 | 200 | | 1500 | 750 | 7500 | |
| 63 | 400 | | 7500 | 7500 | 3500 | |
| 64 | 750 | | 1500 | 400 | 3500 | |
| 65 | UKN | | 3500 | 400 | 3500 | |
| 66 | N/O | | N/O | 50 | 5500 | |
| 67 | | | 25 | 200 | 400 | |
| 68 | N/O | | 200 | 75 | 1500 | |
| 69 | | | 150 | 125 | 2000 | |
| 70 | | | 200 | N/O | 7500 | |
| 71 | | | 75 | N/O | 1500 | |
| 72 | | | 350 | 25 | 6000 | |
| 73 | | | N/O | 50 | 100 | |
| 74 | | | 120 | 100 | 5500 | |
| 75 | | | 250 | N/O | 600 | |
| 76 | | | 60 | N/O | 22500 | |
| 77 | | | 175 | 25 | 250 | |
| 78 | | | 75 | 100 | 5000 | |
| 79 | | | 25 | 2500 | N/O | |
| 80 | | | N/O | 500 | 100 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | | | |
| START | | | | | | |
| PEAK | | | | | | |
| END | | | | | | |

REMARKS


LAREDO CHANNEL
RAMSBOTHAM ISLANDS
ARISTAZABAL ISLAND
BANKS
HECATE
DEPRESSION
STRANDFLAT
KETTLE INLET
Eagle
41
40
39
38
36
35
34
250
350
300
200
100
133±
114±
62±
N
Eagle Creek
0
2
kilometres

NAME OF STREAM (Eagle Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows N. into Eagle Bay, head of Kettle Inlet, Rge. 3,
Coast Dist. POSITION 52°N 129°W

LENGTH 5.0 km WIDTH m DRAINAGE $km^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE
SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA $m^2$ SPAWNING AREA $m^2$

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

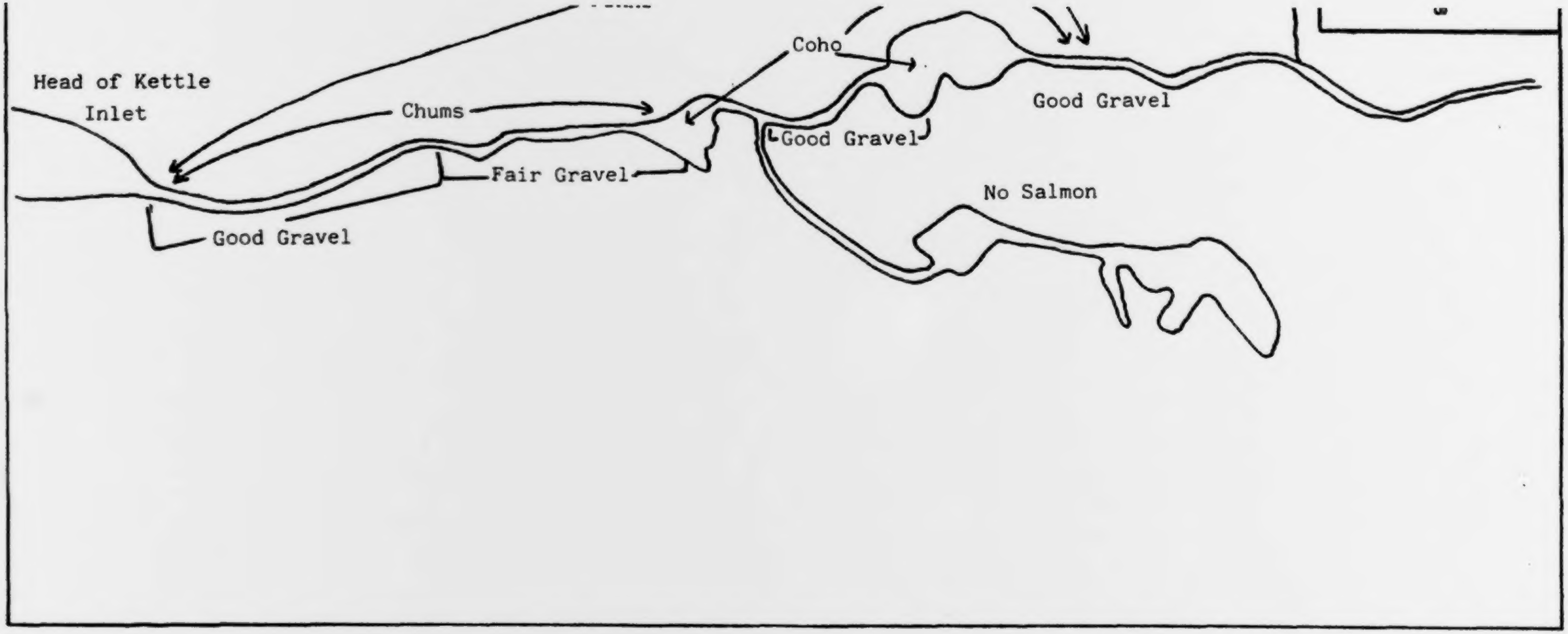
BARRIERS OR POINTS OF DIFFICULT ASCENT
- Falls at 90 m

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - throughout |
| CHINOOK | |
| COHO | - throughout |
| CHUM | - to first lake |
| PINK (ODD YEAR) | - to first lake |
| PINK (EVEN YEAR) | - to first lake |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS
-1949. Good spawning bottom of sand and gravel
-1958. Severe drought most of the salmon run. No salt water mortality observed
-1959. Early closure of West Coast fishing for conservation purposes
-1967. This stream drains a series of small lakes and good gravel for most of its length. It is stable and has good spawning conditions
-1970. This stream has good rearing areas
-1974. Proposed initiation of logging along the length of the creek within the next few years
-1980. High water in late December may have caused some scouring and erosion to the system


Head of Kettle Inlet
Chums
Coho
Good Gravel
Fair Gravel
Good Gravel
Good Gravel
No Salmon

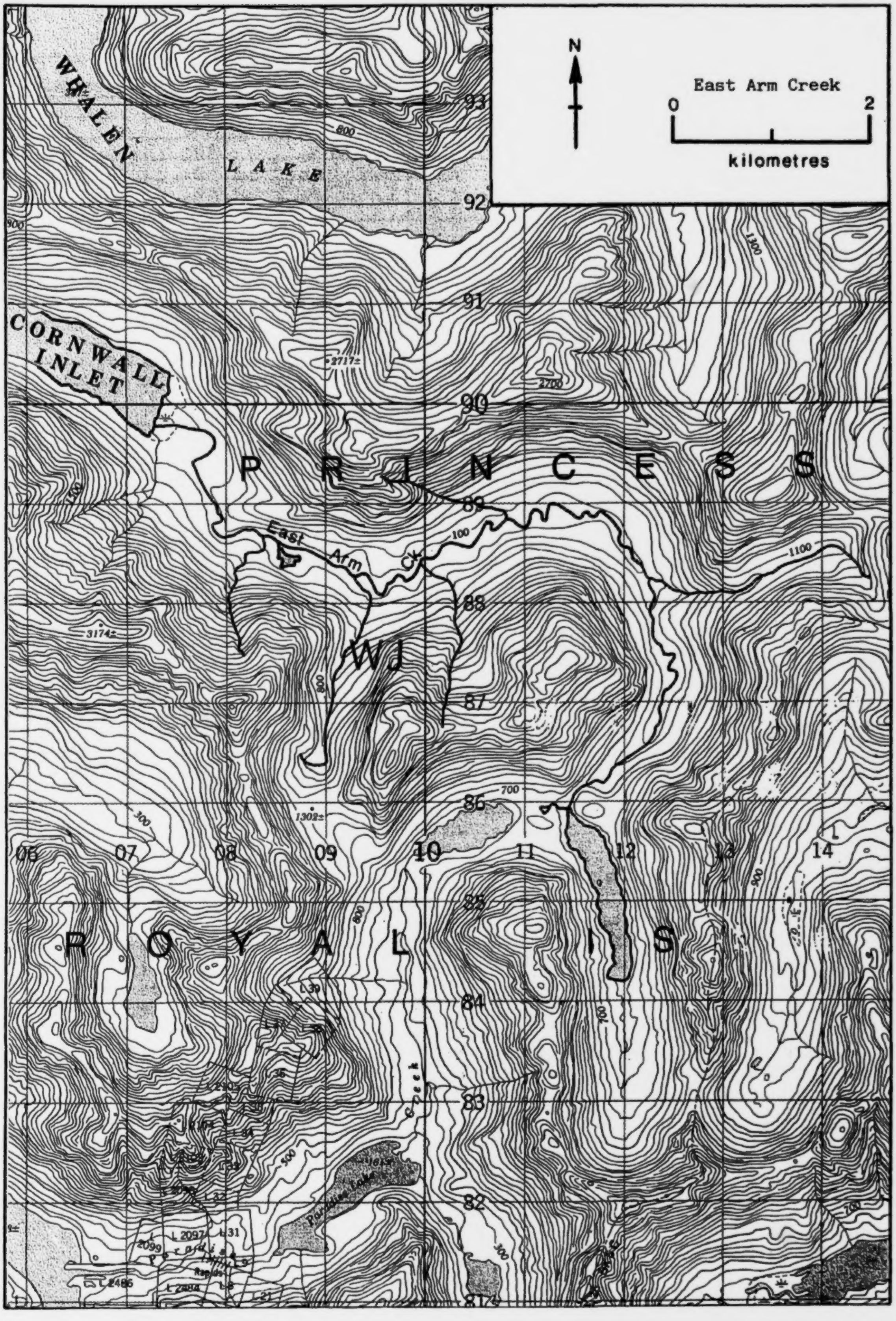
ESCAPEMENT RECORD FOR EAGLE CREEK

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | 750 | | 1500 | 7500 | 3500 | |
| 48 | | | 7500 | | 3500 | |
| 49 | 750 | | 7500 | 15000 | 7500 | |
| 50 | 400 | | 7500 | 15000 | 1500 | |
| 51 | 100 | | 9000 | 6000 | 4000 | |
| 52 | | | | | 15000 | |
| 53 | 3500 | | 3500 | 7500 | 1500 | |
| 54 | 1500 | | 7500 | 15000 | 15000 | |
| 55 | 1500 | | 7500 | 3500 | 3500 | |
| 56 | 1500 | | 7500 | 3500 | 7500 | |
| 57 | 3500 | | 7500 | 7500 | 3500 | |
| 58 | 1500 | | 3500 | 7500 | 7500 | |
| 59 | 750 | | 1500 | 200 | 400 | |
| 60 | 1500 | | 750 | 3500 | 3500 | |
| 61 | 750 | | 1500 | 750 | 7500 | |
| 62 | 400 | | 1500 | 400 | 1500 | |
| 63 | 750 | | 1500 | 400 | 15000 | |
| 64 | 1500 | | 1500 | 3500 | 3500 | |
| 65 | 750 | | 3500 | 1500 | 1500 | |
| 66 | N/O | | 700 | 350 | 3000 | |
| 67 | N/O | | 200 | 400 | 25 | |
| 68 | N/O | | 1500 | 3500 | 3500 | |
| 69 | N/O | | 800 | 500 | N/O | |
| 70 | | | 3500 | 750 | 3500 | |
| 71 | | | 750 | 200 | 25 | |
| 72 | | | 1800 | 700 | 3000 | |
| 73 | N/O | | 200 | 500 | 75 | |
| 74 | | | 700 | 400 | 6000 | |
| 75 | | | 1000 | 1800 | 150 | |
| 76 | | | 1500 | 2300 | 18000 | |
| 77 | 100 | | 1000 | 2500 | 25 | |
| 78 | | | 500 | 1000 | 5000 | |
| 79 | 75 | | 750 | 1000 | N/O | |
| 80 | N/O | | N/O | 325 | 1000 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | E. SEPT | E. SEPT | E. SEPT | |
| START | | | L. SEPT | M. SEPT | M. SEPT | |
| PEAK | | | OCT | M. SEPT | M. SEPT | |
| END | | | NOV | M. OCT | L. SEPT | |

REMARKS


N
East Arm Creek
0
2
kilometres
WHALEN LAKE
CORNWALL INLET
PRINCESS
ROYAL IS
East Arm Ck
WJ
Paradise Lake
Creek
Paradise Rapids
2717±
3174±
1302±
2700
93
92
91
90
89
88
87
86
85
84
83
82
81
06
07
08
09
10
11
12
13
14

NAME OF STREAM (East Arm Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into head of East Arm of Cornwall Inlet, Rge. 4, Coast Dist. POSITION 53°N 128°W

LENGTH 8.0 km WIDTH m DRAINAGE $km^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA $m^2$ SPAWNING AREA $m^2$

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Falls at 1.5 km upstream from the mouth passable to coho only

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - throughout |
| CHUM | - to falls |
| PINK (ODD YEAR) | - to falls |
| PINK (EVEN YEAR) | - to falls |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

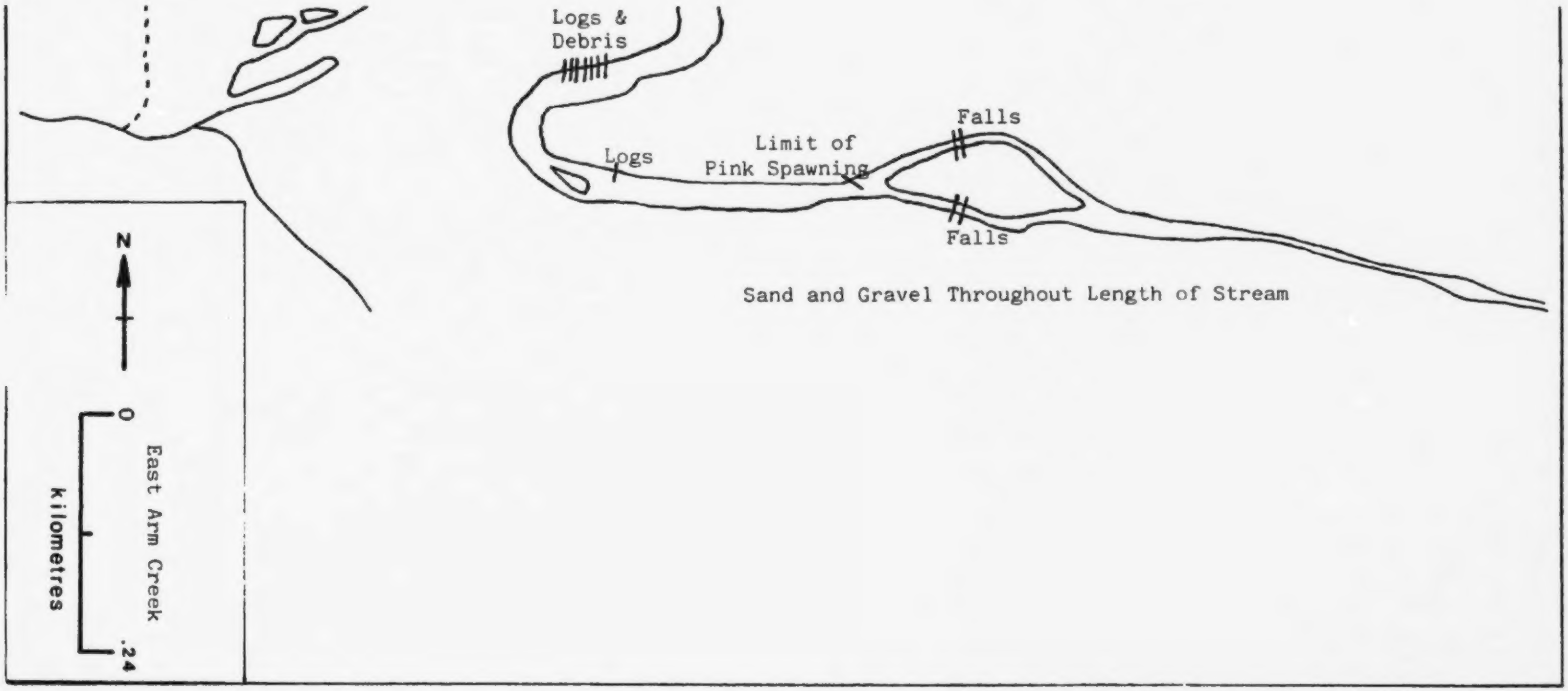
-1974. Some evidence of pinks dying unspawned at mouth

-1978, 1979. Poor assessment conditions

-1978, 1980. Winter flooding may have caused some scouring and erosion to system

- Subject to seasonal variations in flows

- Light predation by bears and birds


Logs &
Debris
Logs
Limit of
Pink Spawning
Falls
Falls
Sand and Gravel Throughout Length of Stream
N
0
.24
kilometres

East Arm Creek

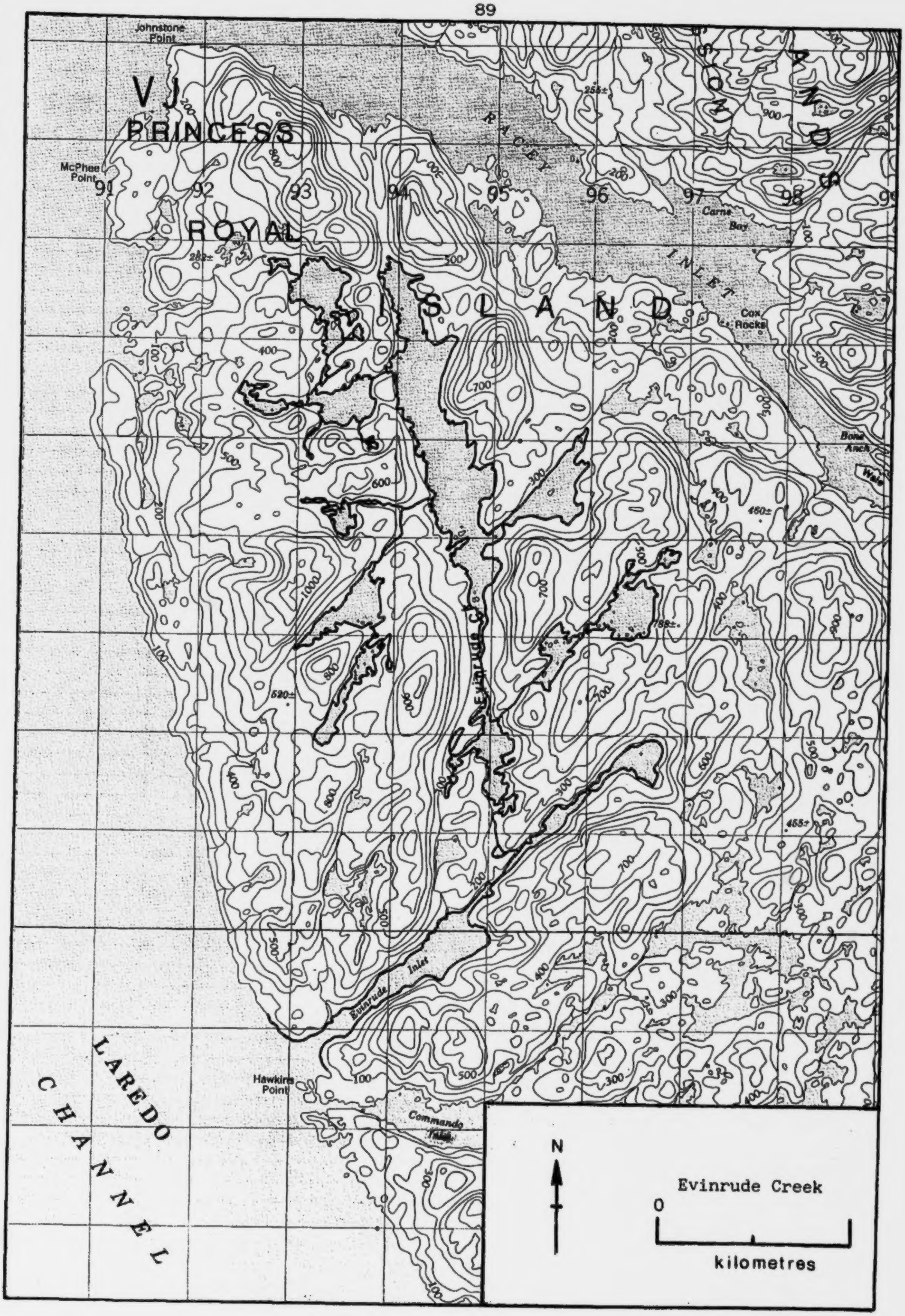
ESCAPEMENT RECORD FOR (East Arm Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | | | | |
| 48 | | NO RECORD BETWEEN 1947-1950 | | | | |
| 49 | | | | | | |
| 50 | | | | | | |
| 51 | | | 500 | 100 | 200 | |
| 52 | | | | | 75 | |
| 53 | | | 400 | 400 | 200 | |
| 54 | | | 400 | 75 | 75 | |
| 55 | | | 25 | 75 | 75 | |
| 56 | | | 400 | 200 | 1500 | |
| 57 | | | 400 | 400 | 200 | |
| 58 | | | NOT INSPECTED | | | |
| 59 | | | 400 | 75 | 200 | |
| 60 | | | 400 | 75 | 200 | |
| 61 | | | 25 | N/O | 200 | |
| 62 | | | 200 | N/O | N/O | |
| 63 | | | 25 | 25 | 200 | |
| 64 | | | 25 | 200 | N/O | |
| 65 | | | NOT INSPECTED | | | |
| 66 | | | 25 | N/O | 1200 | |
| 67 | | | N/O | 400 | 750 | |
| 68 | | | N/O | 200 | 3500 | |
| 69 | | | | 25 | 200 | |
| 70 | | | 200 | 1500 | 3500 | |
| 71 | | | 75 | 400 | 1500 | |
| 72 | | | 200 | N/O | 750 | |
| 73 | | | N/O | 100 | 300 | |
| 74 | | | N/O | 25 | 200 | |
| 75 | | | 200 | N/O | 300 | |
| 76 | | | 500 | 20 | 50 | |
| 77 | | | 350 | 10 | 350 | |
| 78 | | | 200 | N/O | 700 | |
| 79 | | | 200 | 150 | 200 | |
| 80 | | | N/O | N/O | 500 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | L. AUG | E. SEPT | E. SEPT | |
| START | | | L. SEPT | M. SEPT | M. SEPT | |
| PEAK | | | OCT | L. SEPT | L. SEPT | |
| END | | | NOV | OCT | E. OCT | |

REMARKS


Johnstone Point
VJ
PRINCESS
ROYAL
ISLAND
McPhee Point
91
92
93
94
95
96
97
98
99
RACEY INLET
Carne Bay
Cox Rocks
Bone Anch
Wale
Evinrude Ck.
Evinrude Inlet
Hawkins Point
Commando Inlet
LAREDO CHANNEL
255±
262±
460±
788±
520±
455±
100
200
300
400
500
600
700
800
900
1000
N
Evinrude Creek
0
kilometres

NAME OF STREAM (Evinrude Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Evinrude Inlet on E. side of Laredo Channel,

Rge. 3, Coast Dist. POSITION 52°N 129°W

LENGTH 3.2 km WIDTH m DRAINAGE $km^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA $m^2$ SPAWNING AREA $m^2$

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Cascades located about 90 m upstream from the mouth are potentially impassable during periods of low flow

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - lake outlet and above |
| CHINOOK | |
| COHO | - lake outlet and above |
| CHUM | - to lake |
| PINK (ODD YEAR) | - to lake |
| PINK (EVEN YEAR) | - to lake |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1965. Creek dry at time of inspection

-1978, 1980. Winter flooding may have caused some scouring and erosion to system

-1980. High December flows accompanied by turbid water

- Considered a virtually non-productive stream
- Subject to water level fluctuations during the upstream migration period
- Some predation by bears, wolves, eagles, and other birds

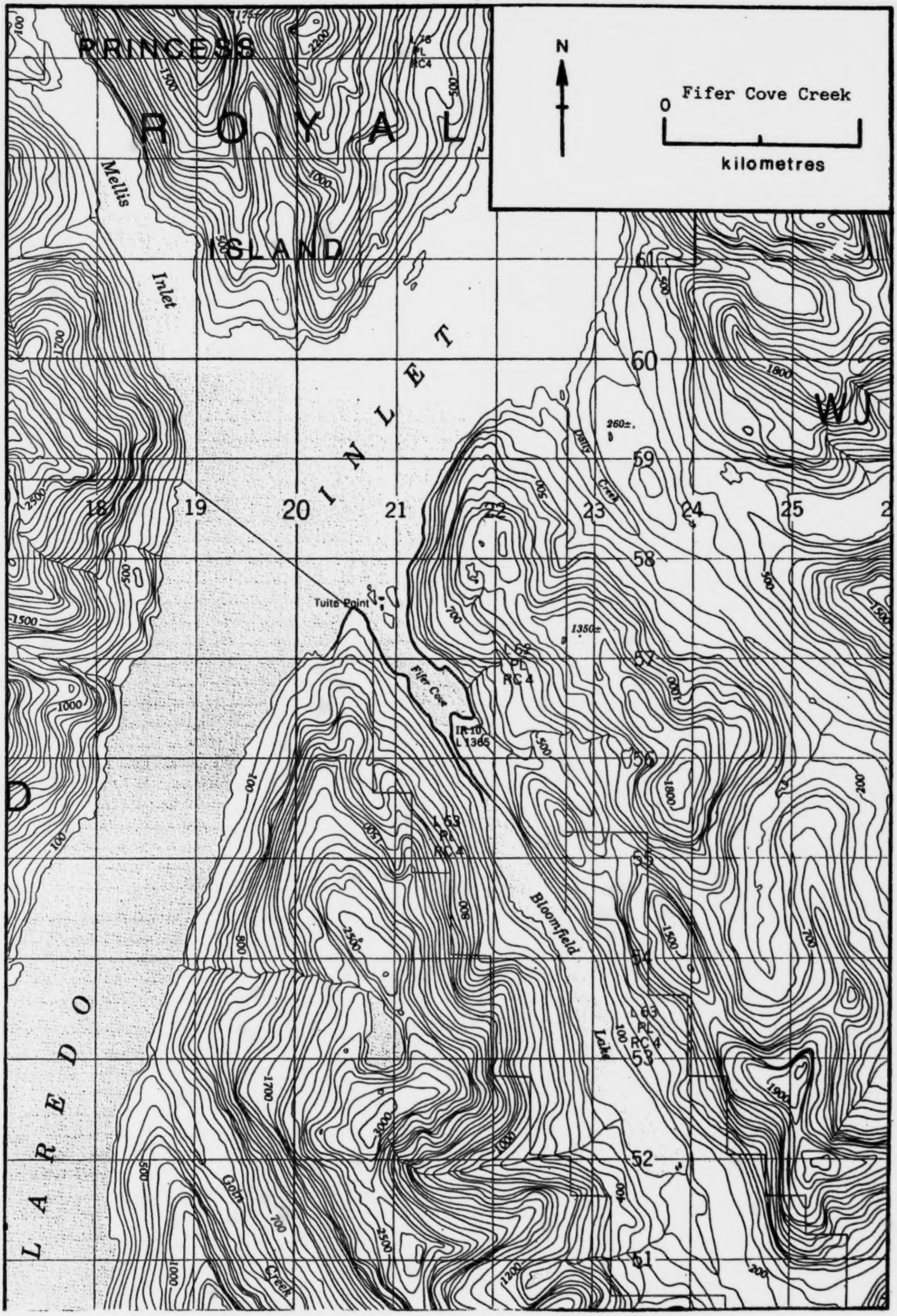
ESCAPEMENT RECORD FOR (Evinrude Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | NO | RECORD PRIOR | TO 1949 | | |
| 48 | | | | | | |
| 49 | | | 400 | | | |
| 50 | | | 200 | 75 | | |
| 51 | | | 500 | | | |
| 52 | | | | | | |
| 53 | | | 200 | | | |
| 54 | | | 400 | | | |
| 55 | | | 25 | | | |
| 56 | | | 200 | 75 | | |
| 57 | | | 400 | 25 | 25 | |
| 58 | 200 | | 400 | 400 | 75 | |
| 59 | 200 | | 200 | 75 | 25 | |
| 60 | 750 | | 400 | 75 | 75 | |
| 61 | N/0 | | 200 | 25 | 75 | |
| 62 | 750 | | 750 | 750 | N/0 | |
| 63 | 200 | | 750 | 25 | 200 | |
| 64 | 400 | | 25 | 200 | N/0 | |
| 65 | UNK | | UNK | UNK | UNK | |
| 66 | N/0 | | N/0 | N/0 | N/0 | |
| 67 | N/0 | | 25 | N/0 | N/0 | |
| 68 | N/0 | | N/0 | 75 | N/0 | |
| 69 | N/0 | | N/0 | N/0 | N/0 | |
| 70 | N/0 | | N/0 | N/0 | N/0 | |
| 71 | N/0 | | N/0 | N/0 | N/0 | |
| 72 | N/0 | | N/0 | N/0 | N/0 | |
| 73 | N/0 | | N/0 | N/0 | N/0 | |
| 74 | | | | N/0 | 200 | |
| 75 | N/0 | | N/0 | N/0 | N/0 | |
| 76 | | | N/0 | | | |
| 77 | 150 | | 200 | N/0 | 1000 | |
| 78 | 75 | | 200 | N/0 | 1500 | |
| 79 | N/0 | | N/0 | N/0 | N/0 | |
| 80 | N/0 | | N/0 | N/0 | N/0 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | | | |
| START | | | | | | |
| PEAK | | | | | | |
| END | | | | | | |

REMARKS


N
0
Fifer Cove Creek
kilometres
PRINCESS
ROYAL
ISLAND
Mellis
Inlet
INLET
LAREDO
Tuite Point
Fifer Cove
IR 10
L 1365
L 62
PL
RC 4
L 63
PL
RC 4
Daisy Creek
Bloomfield
Lake
Goin
Creek
18
19
20
21
22
23
24
25
61
60
59
58
57
56
55
54
53
52
51
260±
1350±
1800
1500
2500
3000
2200
1000
1700
1900
1200
700
500
200
100

NAME OF STREAM (Fifer Cove Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Fifer Cove, E. side of Laredo Inlet, Rge. 3, Coast Dist. POSITION 52°N 128°W

LENGTH 1.6 km WIDTH m DRAINAGE km2

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m2 SPAWNING AREA m2

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - to Bloomfield Lake outlet |
| CHINOOK | |
| COHO | - to Bloomfield Lake outlet |
| CHUM | - to Bloomfield Lake outlet |
| PINK (ODD YEAR) | - to Bloomfield Lake outlet |
| PINK (EVEN YEAR) | - to Bloomfield Lake outlet |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1960. Shows signs of increased production

-1968. No spawning of pinks or chums recorded in this stream since 1962 and the brood years for the past 2 seasons had no returns for both species, therefore fisheries officers recommended the removal of this stream from active files

-1972. This stream drains Bloomfield Lake and is tidal for most of its length, with very poor spawning areas. Past records show some confusion of this stream with Bloomfield Creek, a good salmon producing stream located at the head of Bloomfield Lake

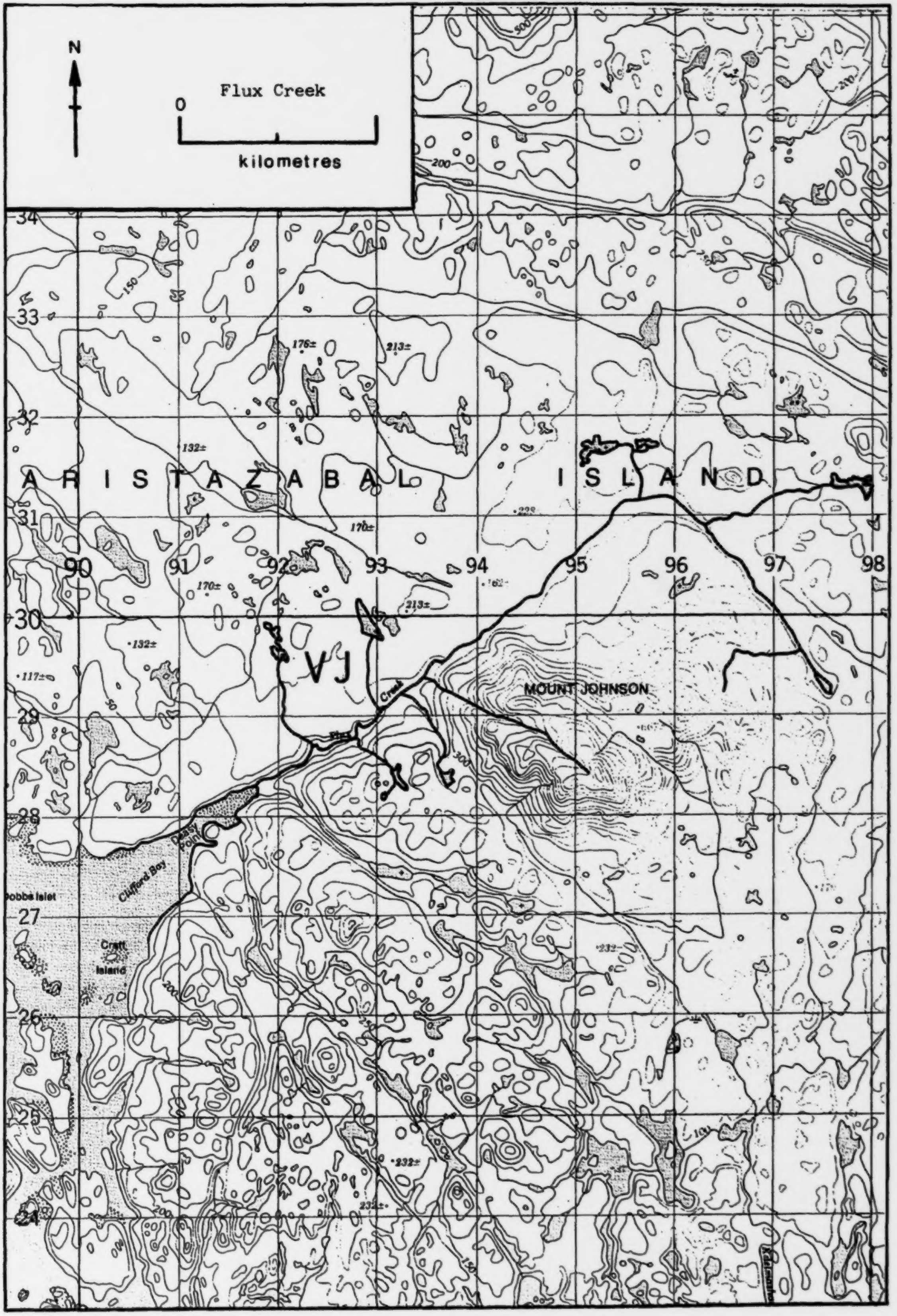
ESCAPEMENT RECORD FOR (Fifer Cove Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | | | | |
| 48 | | | | | | |
| 49 | | | | | | |
| 50 | | | | | | |
| 51 | | | | | | |
| 52 | | | | | | |
| 53 | | | NO RECORD PRIOR TO 1960 | | | |
| 54 | | | | | | |
| 55 | | | | | | |
| 56 | | | | | | |
| 57 | | | | | | |
| 58 | | | | | | |
| 59 | | | | | | |
| 60 | | | | 25 | 7500 | |
| 61 | | | | 75 | 25 | |
| 62 | 25 | | | 200 | 7500 | |
| 63 | | | | | | |
| 64 | | | | | | |
| 65 | | | NOT INSPECTED | | | |
| 66 | | | | UNK | UNK | |
| 67 | | | | N/O | N/O | |
| 68 | | | | N/O | N/O | |
| 69 | N/O | | | 70 | N/O | |
| 70 | | | | 750 | 750 | |
| 71 | | | | N/O | 200 | |
| 72 | | | | N/O | 750 | |
| 73 | | | | 75 | 50 | |
| 74 | | | | 50 | 300 | |
| 75 | | | | N/O | 75 | |
| 76 | | | | N/O | 200 | |
| 77 | | | | N/O | 200 | |
| 78 | | | | N/O | 200 | |
| 79 | | | | 20 | 30 | |
| 80 | | | | N/O | 2000 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | | E. SEPT | |
| START | | | | | E. SEPT | |
| PEAK | | | | | M. SEPT | |
| END | | | | | E. OCT | |

REMARKS


N
Flux Creek
0
kilometres
34
33
32
31
30
29
28
27
26
25
24
90
91
92
93
94
95
96
97
98
ARISTAZABAL ISLAND
VJ
Flux Creek
MOUNT JOHNSON
Deasy Point
Clifford Bay
Dobbs Islet
Craft Island
176±
213±
132±
170±
170±
213±
162±
132±
117±
228
232
232±
232±
150
50
200
300
500
200
100

NAME OF STREAM FLUX CREEK

CONSERVATION DISTRICT 2 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into head of Clifford Bay, Rge. 3, Coast Dist.

POSITION 52 129 NE.

LENGTH 1.5 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

| PERCENT GRADIENT | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Passable falls at 1.0 km to coho only.

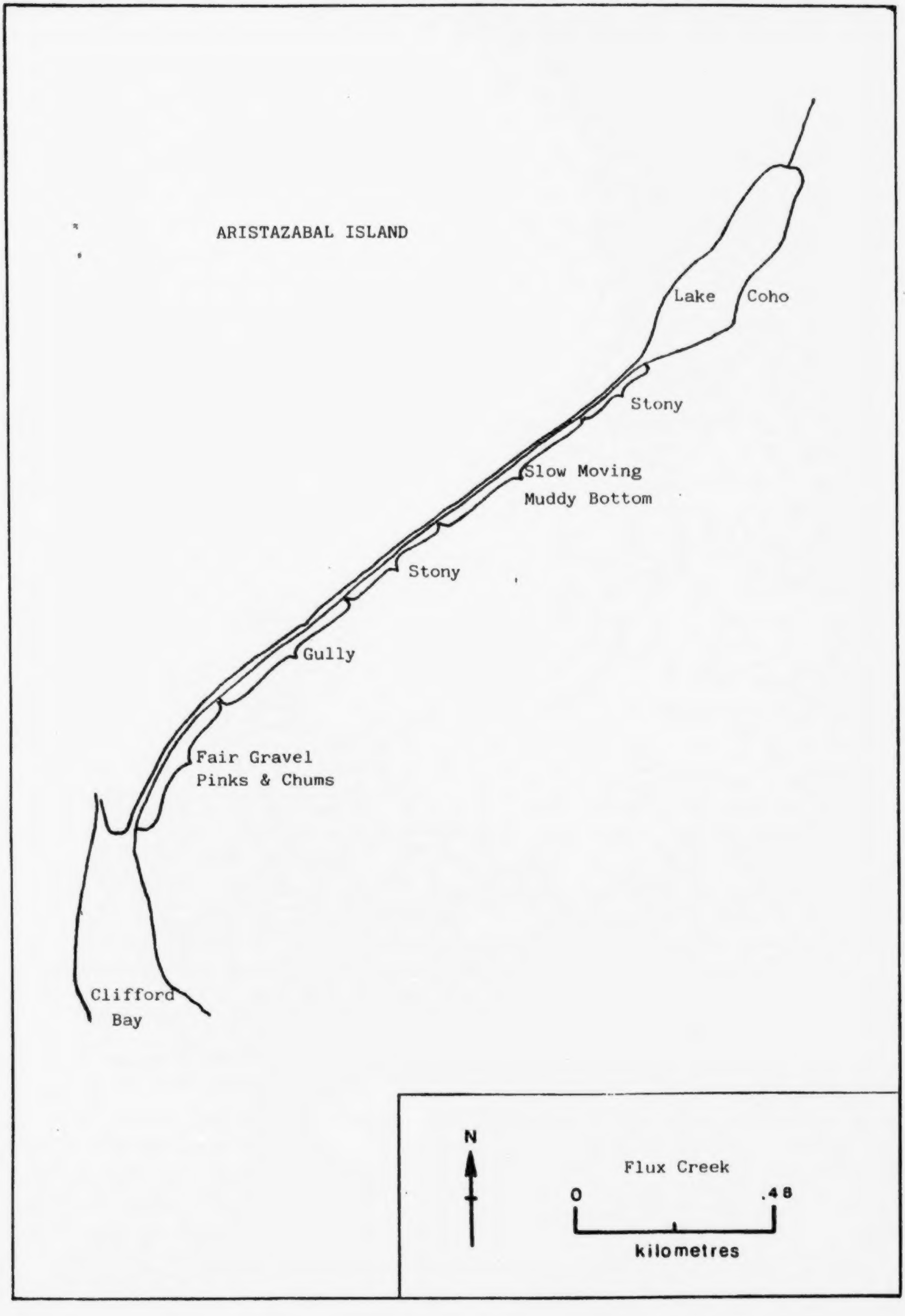
SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - throughout |
| CHUM | - to falls |
| PINK (ODD YEAR) | |
| PINK (EVEN YEAR) | - to falls |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

- 1950, 51. The creek bed is composed of coarse sand and gravel.
- 1956. Removal of several small log jams made this creek accessible to fish.
- 1957. Low water levels throughout the migration period.
- 1980. High water levels in late December may have caused some scouring and erosion to the system. Water discoloration made assessment difficult.


ARISTAZABAL ISLAND
Lake
Coho
Stony
Slow Moving
Muddy Bottom
Stony
Gully
Fair Gravel
Pinks & Chums
Clifford
Bay
N
Flux Creek
0
.48
kilometres

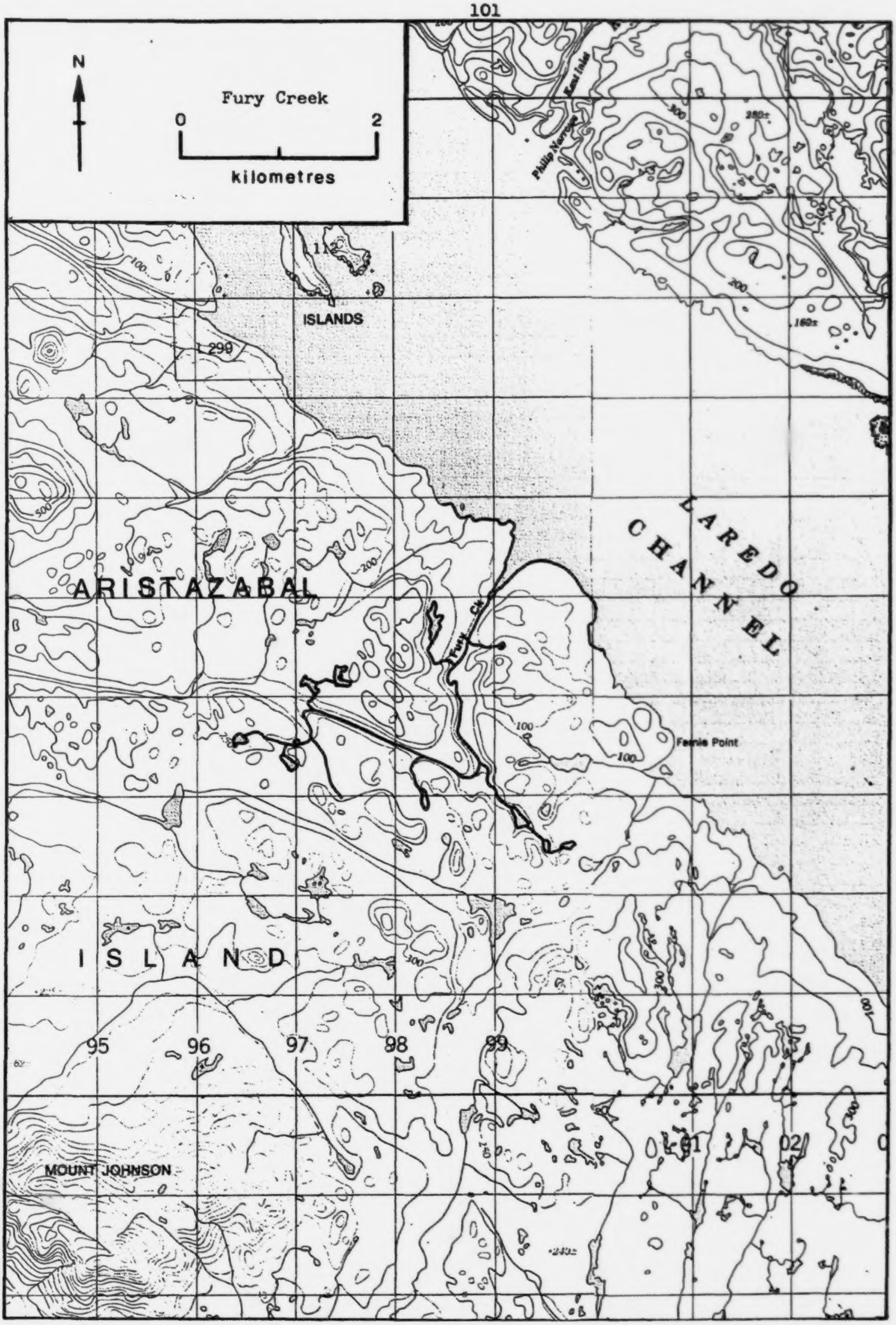
ESCAPEMENT RECORD FOR FLUX CREEK

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | 400 |  | 1500 | 7500 | 7500 |  |
| 48 |  |  | 7500 |  | 7500 |  |
| 49 | 400 |  | 1500 | 15000 | 7500 |  |
| 50 | 400 |  | 3500 | 7500 | 3500 |  |
| 51 | 300 |  | 5000 | 8000 | 4000 |  |
| 52 |  |  |  |  | 7500 |  |
| 53 | 1500 |  | 400 | 7500 | 3500 |  |
| 54 | 3500 |  | 3500 | 7500 | 3500 |  |
| 55 | 1500 |  | 7500 | 3500 | 1500 |  |
| 56 | 1500 |  | 7500 | 3500 | 7500 |  |
| 57 | 1500 |  | 3500 | 3500 | 750 |  |
| 58 | 750 |  | 1500 | 7500 | 750 |  |
| 59 | 200 |  | 1500 | 200 | 750 |  |
| 60 | 400 |  | 1500 | 7500 | 750 |  |
| 61 | 750 |  | 1500 | 1500 | 1500 |  |
| 62 | 750 |  | 1500 | 750 | 1500 |  |
| 63 | 1500 |  | 7500 | 200 | 15000 |  |
| 64 | 400 |  | 750 | 3500 | 200 |  |
| 65 | 400 |  | 1500 | 1500 | 750 |  |
| 66 | N/O |  | 40 | 800 | N/O |  |
| 67 | N/O |  | 25 | 25 | N/O |  |
| 68 | N/O |  | 25 | 25 | 25 |  |
| 69 | N/O |  | N/O | 32 | N/O |  |
| 70 |  |  | N/O | 75 | 25 |  |
| 71 |  |  | N/O | N/O | N/O |  |
| 72 |  |  | N/O | N/O | N/O |  |
| 73 |  |  | N/O | 50 | N/O |  |
| 74 |  |  | N/O | 25 | 30 |  |
| 75 |  |  | N/O | 24 | N/O |  |
| 76 |  |  |  | 20 | 15 |  |
| 77 |  |  |  | 75 |  |  |
| 78 |  |  |  | 100 | 100 |  |
| 79 |  |  | 300 | 2000 | 5 |  |
| 80 |  |  | 100 | 400 | 500 |  |
| 81 |  |  |  |  |  |  |
| 82 |  |  |  |  |  |  |
| 83 |  |  |  |  |  |  |
| 84 |  |  |  |  |  |  |
| 85 |  |  |  |  |  |  |

TIMING

|  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|
| ARRIVE |  |  |  | E. SEPT | E. SEPT |  |
| START |  |  |  | M. SEPT | M. SEPT |  |
| PEAK |  |  |  | L. SEPT | L. SEPT |  |
| END |  |  |  | L. OCT | E. OCT |  |

REMARKS


N
Fury Creek
0
2
kilometres
ISLANDS
112
299
500
200
100
300
ARISTAZABAL
ISLAND
Fury Ck
LAREDO CHANNEL
Fernie Point
Philip Narrows
East Inlet
160±
280±
240±
62
MOUNT JOHNSON
95
96
97
98
99
01
02

NAME OF STREAM (Fury Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows NE. into Laredo Chan., Rge. 3, Coast Dist.

POSITION 52°N 129°W

LENGTH * km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

| PERCENT GRADIENT | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

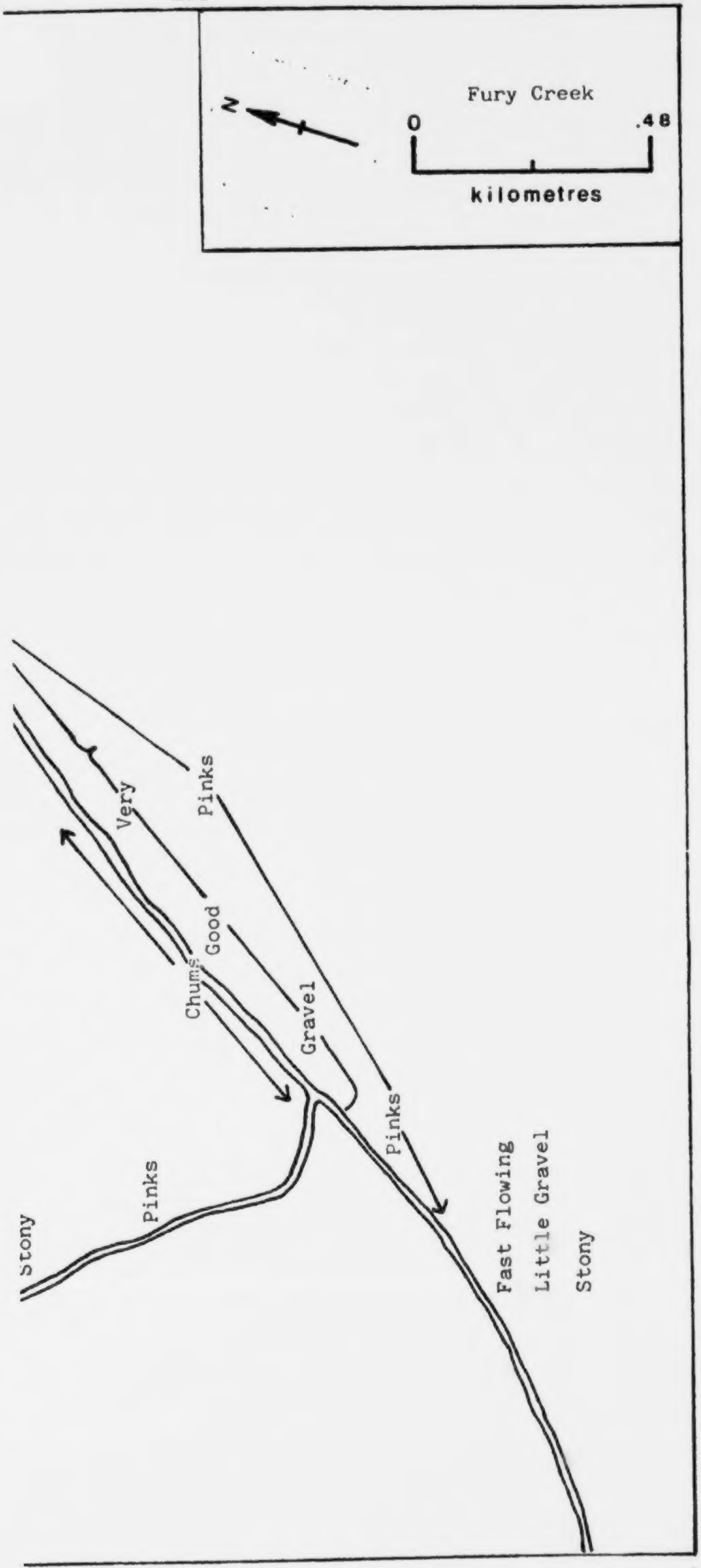
| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - upstream pools and into lake; 0.8 km upstream and above |
| CHINOOK | |
| COHO | - upstream pools and into lake; 0.8 km upstream and above |
| CHUM | - near mouth |
| PINK (ODD YEAR) | - near mouth |
| PINK (EVEN YEAR) | - near mouth |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1968. Stream has 1.2 km of good spawning habitat commencing 640 m above tidal water, however only 600 pinks spawned in this area and the reason for decline is unknown
-1971. Low water in September hampered upstream migration of pinks
-1974, 1978, 1980. Flooding may have caused some degradation of the streambed
- Good potential
- Tidal flats at mouth
- Broad deep streambed near mouth, but steep and rocky upstream
- Subject to normal seasonal water level fluctuations
- Some predation by bears, wolves, birds, and otters

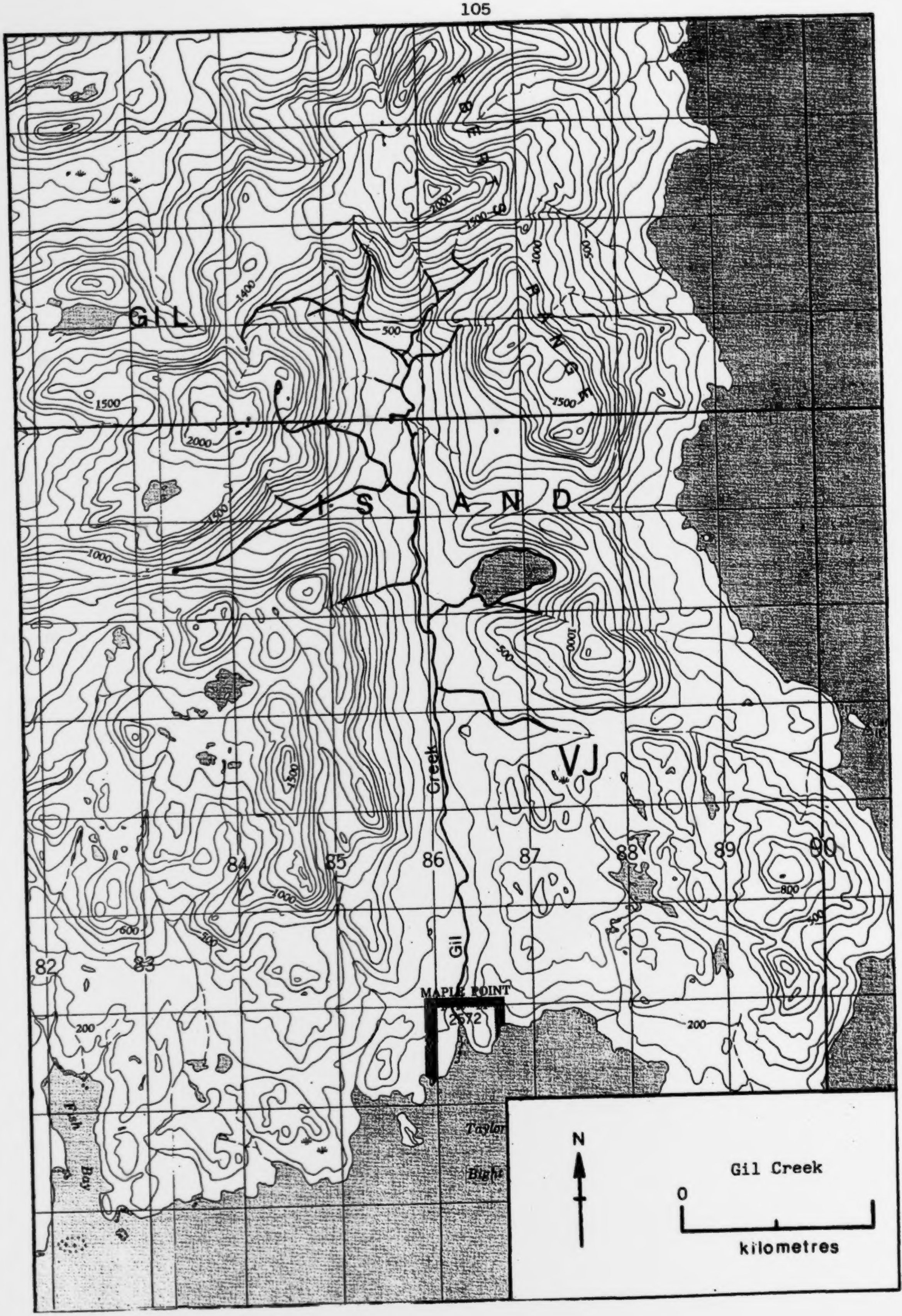
- * 8.0 km right fork; 6.4 km left fork

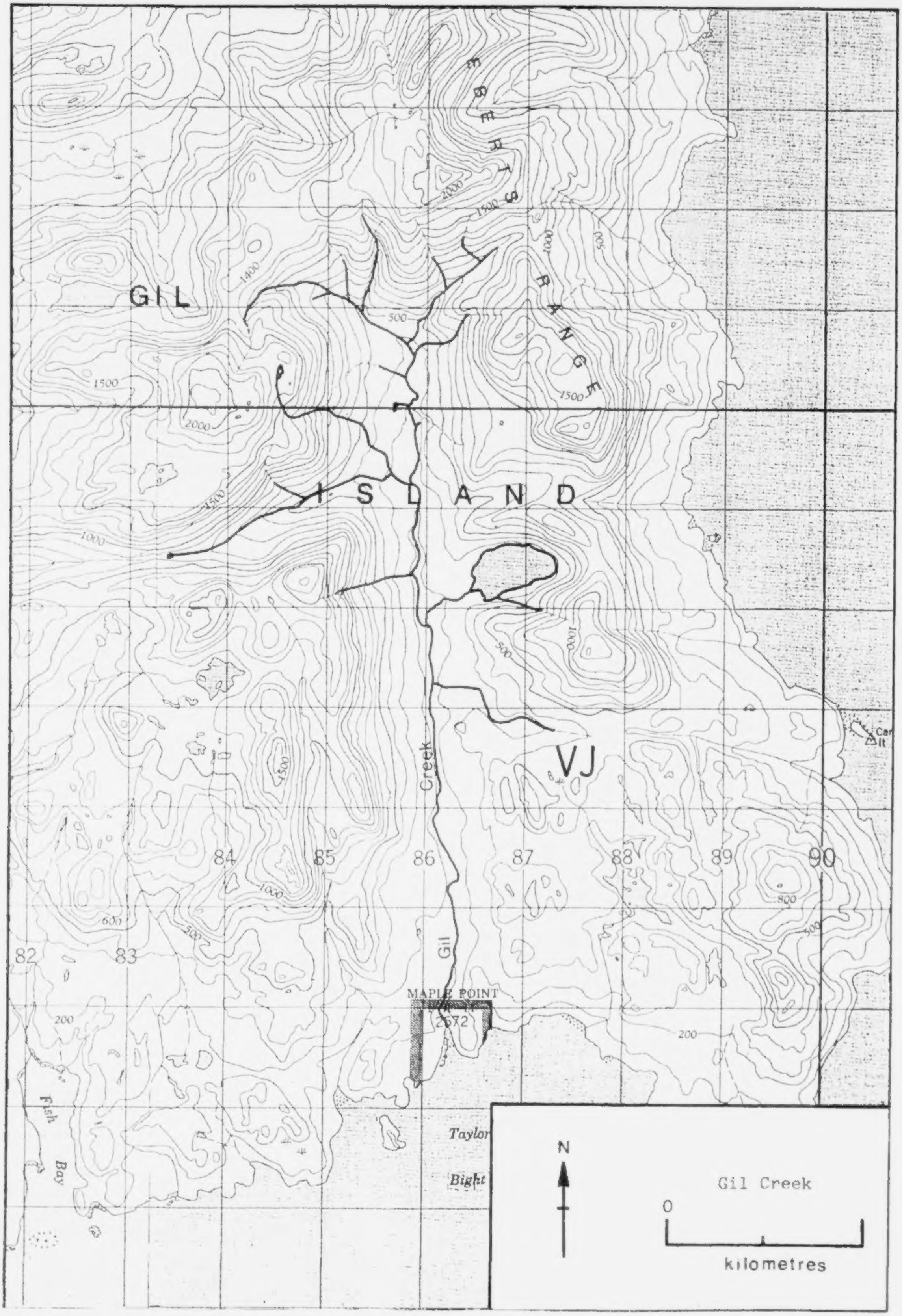

Fury Creek
N
0
.48
kilometres
Pinks
Very
Good
Gravel
Chums
Pinks
Fast Flowing
Little Gravel
Stony
Pinks
Stony

ESCAPEMENT RECORD FOR (Fury Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | 200 | | 75 | 1500 | 25 | |
| 48 | | | 75 | | 400 | |
| 49 | 75 | | 75 | 75 | 25 | |
| 50 | 200 | | 75 | 25 | 25 | |
| 51 | 50 | | 300 | 100 | 100 | |
| 52 | | | | | | |
| 53 | 750 | | 400 | 200 | 25 | |
| 54 | 400 | | 400 | 400 | 200 | |
| 55 | 200 | | 400 | 200 | 25 | |
| 56 | 400 | | 750 | 200 | 750 | |
| 57 | 400 | | 1500 | 750 | 200 | |
| 58 | 750 | | 750 | 750 | 400 | |
| 59 | 200 | | 400 | 75 | 400 | |
| 60 | 750 | | 750 | 200 | 75 | |
| 61 | 200 | | 750 | 200 | 400 | |
| 62 | 400 | | 750 | 400 | 750 | |
| 63 | 200 | | 1500 | 25 | 750 | |
| 64 | 750 | | 400 | 200 | 400 | |
| 65 | | | NOT INSPECTED | | | |
| 66 | UNK | | UNK | UNK | UNK | |
| 67 | 75 | | 25 | 400 | N/O | |
| 68 | N/O | | N/O | 25 | 750 | |
| 69 | | | | 70 | 400 | |
| 70 | | | N/O | N/O | 25 | |
| 71 | | | 25 | 75 | 3500 | |
| 72 | | | 200 | 25 | 1500 | |
| 73 | | | N/O | 25 | 150 | |
| 74 | 300 | | N/O | N/O | 3000 | |
| 75 | 350 | | 150 | N/O | 2000 | |
| 76 | | | 100 | | 36000 | |
| 77 | | | 200 | 100 | 1000 | |
| 78 | | | N/O | 200 | 5000 | |
| 79 | | | 100 | 200 | 500 | |
| 80 | N/O | | 100 | N/O | 5000 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |
| TIMING | | | | | | |
| ARRIVE | | | M. SEPT | M. SEPT | E. SEPT | |
| START | | | OCT | M. SEPT | M. SEPT | |
| PEAK | | | OCT | L. SEPT | L. SEPT | |
| END | | | NOV | E. OCT | OCT | |

REMARKS


GIL
ISLAND
RANGE
VJ
Creek
Gil
MAPLE POINT
2572
Taylor
Bight
Fish
Bay
82
83
84
85
86
87
88
89
90
200
500
600
800
1000
1400
1500
2000
N
Gil Creek
0
kilometres


EBERTS RANGE
GIL
ISLAND
VJ
Creek
Gil
MAPLE POINT
2572
Fish Bay
Taylor Bight
2000
1500
1400
1000
500
800
600
200
82
83
84
85
86
87
88
89
90
N
Gil Creek
0
kilometres

NAME OF STREAM (Gil Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows S. into Whale Chan., Rge. 4, Coast Dist.

POSITION 53°N 129°W

LENGTH 12.8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Series of passable cascades 0.8 km from mouth

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - upper reaches |
| CHUM | - lower reaches |
| PINK (ODD YEAR) | - lower reaches |
| PINK (EVEN YEAR) | - lower reaches |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

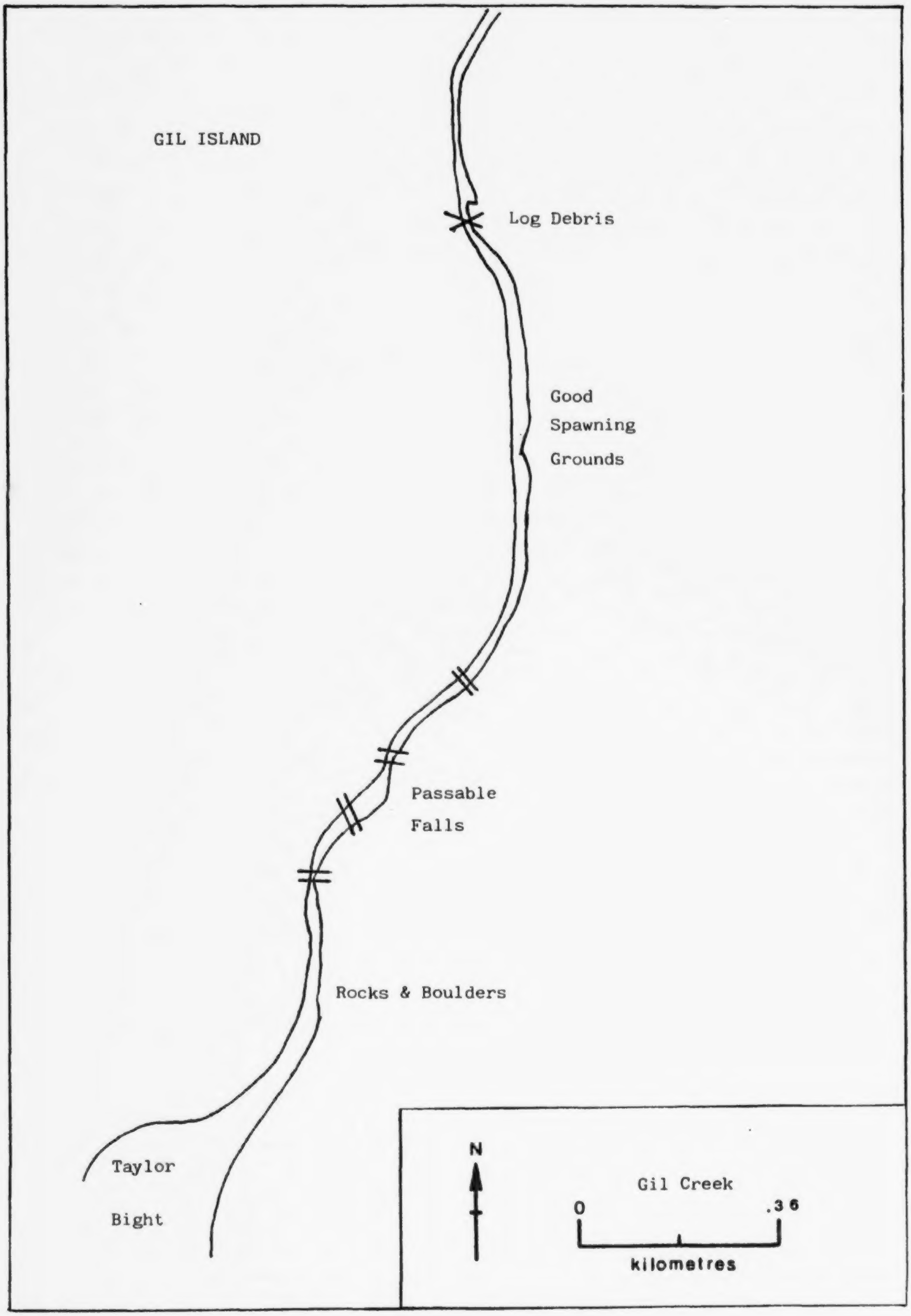
GENERAL REMARKS

-1950. Poor spawning escapement

-1957, 1959-1964. Heavily fished all season by Yugoslav Bay seiners

-1980. Flood may have caused some scouring and erosion to system

- Limited spawning sites
- Subject to seasonal fluctuations in water levels
- Some predation by bears and wolves. (Large wolf pack on Gil Island)

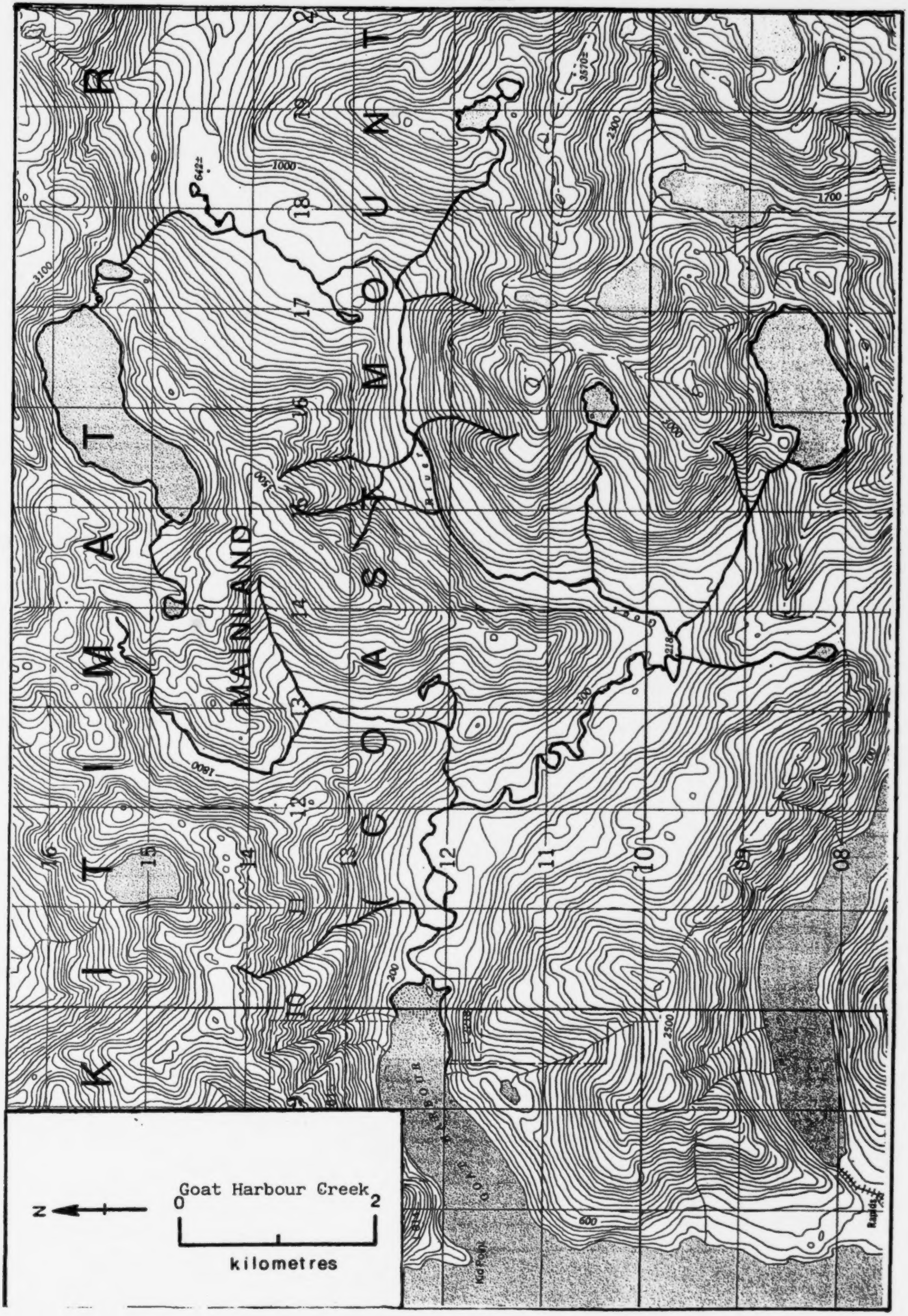

GIL ISLAND
Log Debris
Good Spawning Grounds
Passable Falls
Rocks & Boulders
Taylor Bight
N
Gil Creek
0
.36
kilometres

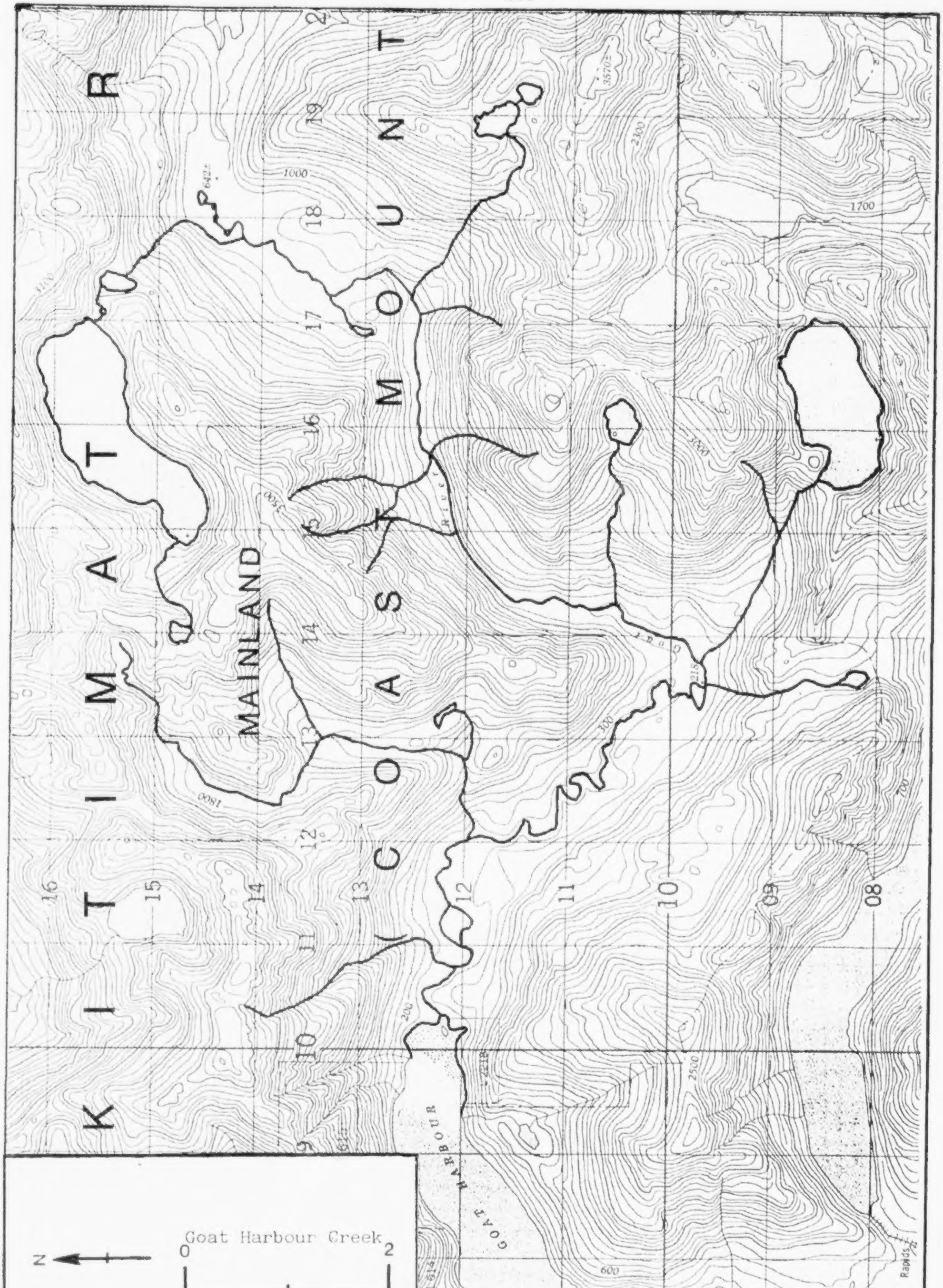
ESCAPEMENT RECORD FOR (Gil Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 750 | 3500 | 1500 | |
| 48 | | | 400 | | 3500 | |
| 49 | | | 75 | 200 | 400 | |
| 50 | | | 25 | 75 | 750 | |
| 51 | | | 400 | 900 | 500 | |
| 52 | | | | | 750 | |
| 53 | | | 75 | 200 | 400 | |
| 54 | | | 75 | 400 | 400 | |
| 55 | | | 200 | 25 | 200 | |
| 56 | | | 750 | 750 | 3500 | |
| 57 | | | 200 | 1500 | 750 | |
| 58 | | | 200 | 1500 | 1500 | |
| 59 | | | 200 | 75 | 400 | |
| 60 | | | 200 | 75 | 750 | |
| 61 | | | 25 | N/O | 400 | |
| 62 | | | 1500 | 750 | 1500 | |
| 63 | | | N/O | N/O | 400 | |
| 64 | | | 25 | N/O | 200 | |
| 65 | | | 200 | 400 | 400 | |
| 66 | | | N/O | N/O | 1500 | |
| 67 | | | N/O | 75 | N/O | |
| 68 | | | N/O | 200 | 750 | |
| 69 | | | N/O | N/O | N/O | |
| 70 | | | N/O | N/O | 1500 | |
| 71 | | | N/O | N/O | 2000 | |
| 72 | | | N/O | 200 | 4000 | |
| 73 | | | N/O | N/O | N/O | |
| 74 | | | | 50 | N/O | |
| 75 | | | N/O | N/O | 2000 | |
| 76 | | | | | 14000 | |
| 77 | | | 200 | | 4200 | |
| 78 | | | | 30 | 15000 | |
| 79 | | | 75 | N/O | 9000 | |
| 80 | | | 100 | | 20000 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

| TIMING | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | | E. SEPT | |
| START | | | | | M. SEPT | |
| PEAK | | | | | L. SEPT | |
| END | | | | | E. OCT | |

REMARKS


K I T I M A T R
C O A S T M O U N T
MAINLAND
River
642±
1000
3100
3570±
2300
1700
1500
1800
300
218
200
2500
600
Rapids
Goat Harbour Creek
0
2
kilometres
N


Goat Harbour Creek
0
2
kilometres
N
KITIMAT
COAST MOUNT
MAINLAND
GOAT HARBOUR
Kid Point
Rapids

NAME OF STREAM GOAT HARBOUR CREEK (Goat Cove Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Goat Harbour E. side of Ursula Reach, Rge. 4, Coast Dist.

POSITION 53°N 128°W

LENGTH 0.8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls 0.4 km from the stream mouth

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - below falls |
| CHUM | - below falls |
| PINK (ODD YEAR) | - below falls |
| PINK (EVEN YEAR) | - below falls |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

- Poor because no suitable spawning area above falls

GENERAL REMARKS

-1947. Spawning grounds below falls considered adequate to accommodate salmon spawning in creek

-1956. Poor production, possibly due to lack of spawning gravel and very rocky substrate near mouth

-1965. Majority of fish spawned just above tidal water

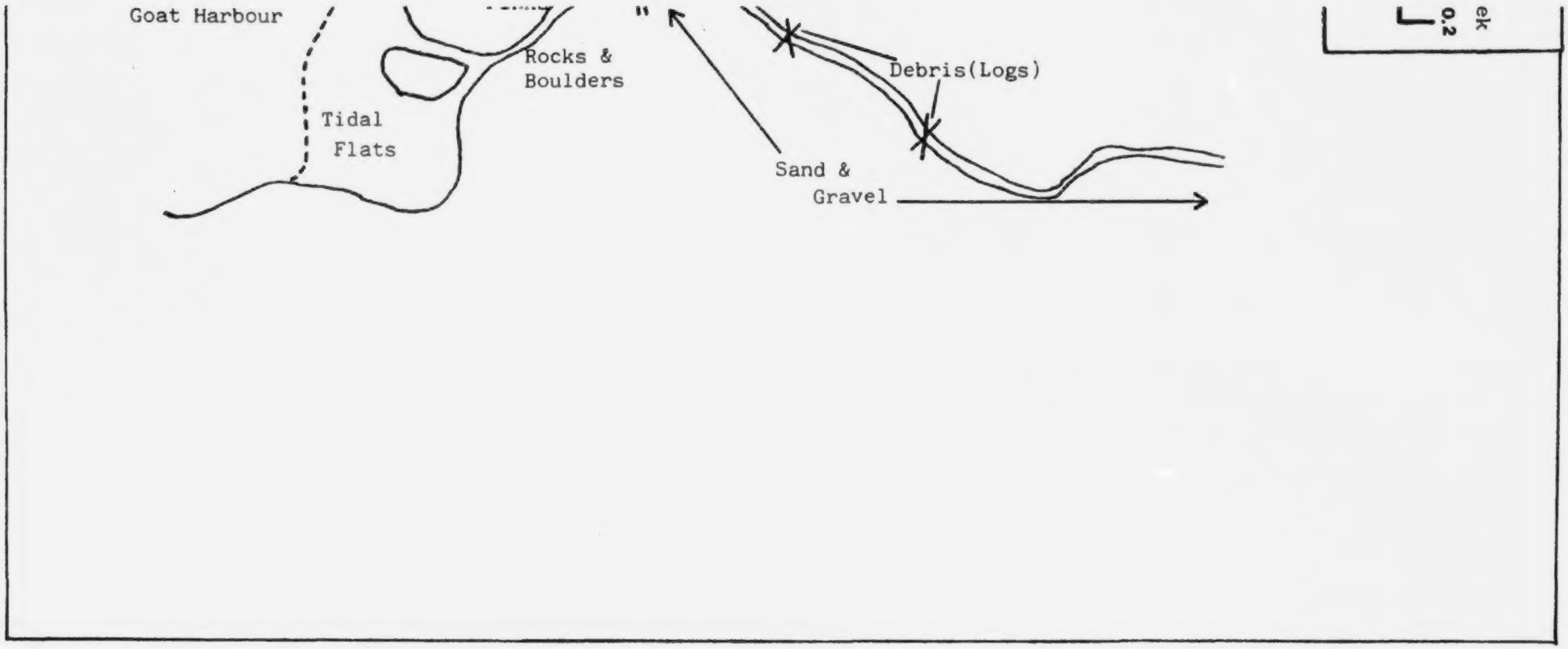
-1968. Noticed lampreys spawning in stream above first falls

-1970. Poor habitat continued. Poor salmon production potential. Suggested removal from active files

-1980. Flooding in late December may have caused some erosion and scouring

- Poor spawning substrate and very fast water to base of falls

- Subject to seasonal fluctuations in water levels


Goat Harbour
Tidal
Flats
Rocks &
Boulders
Sand &
Gravel
Debris(Logs)
ek
0.2

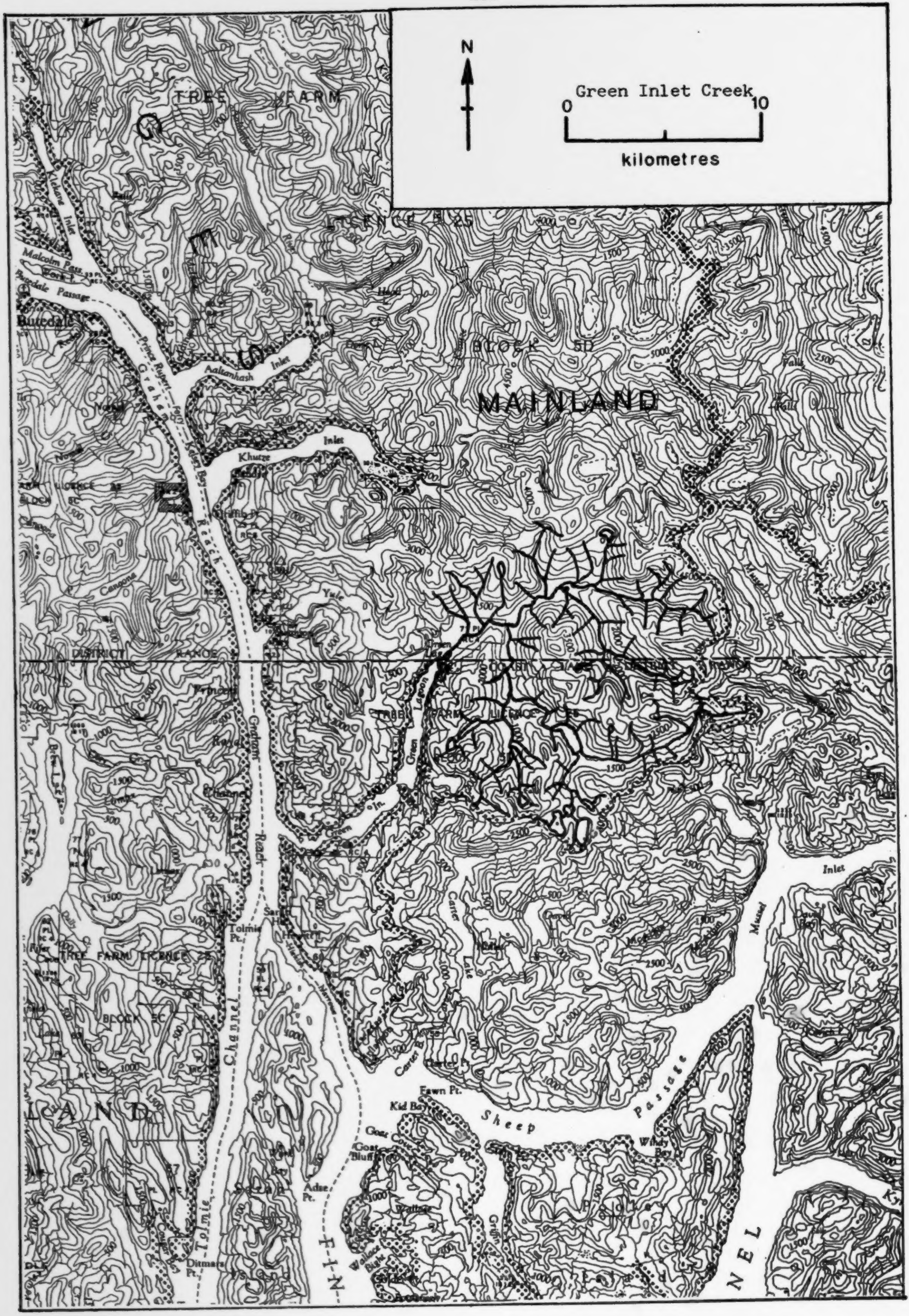
ESCAPEMENT RECORD FOR GOAT HARBOUR CREEK (Goat Cove Creek)

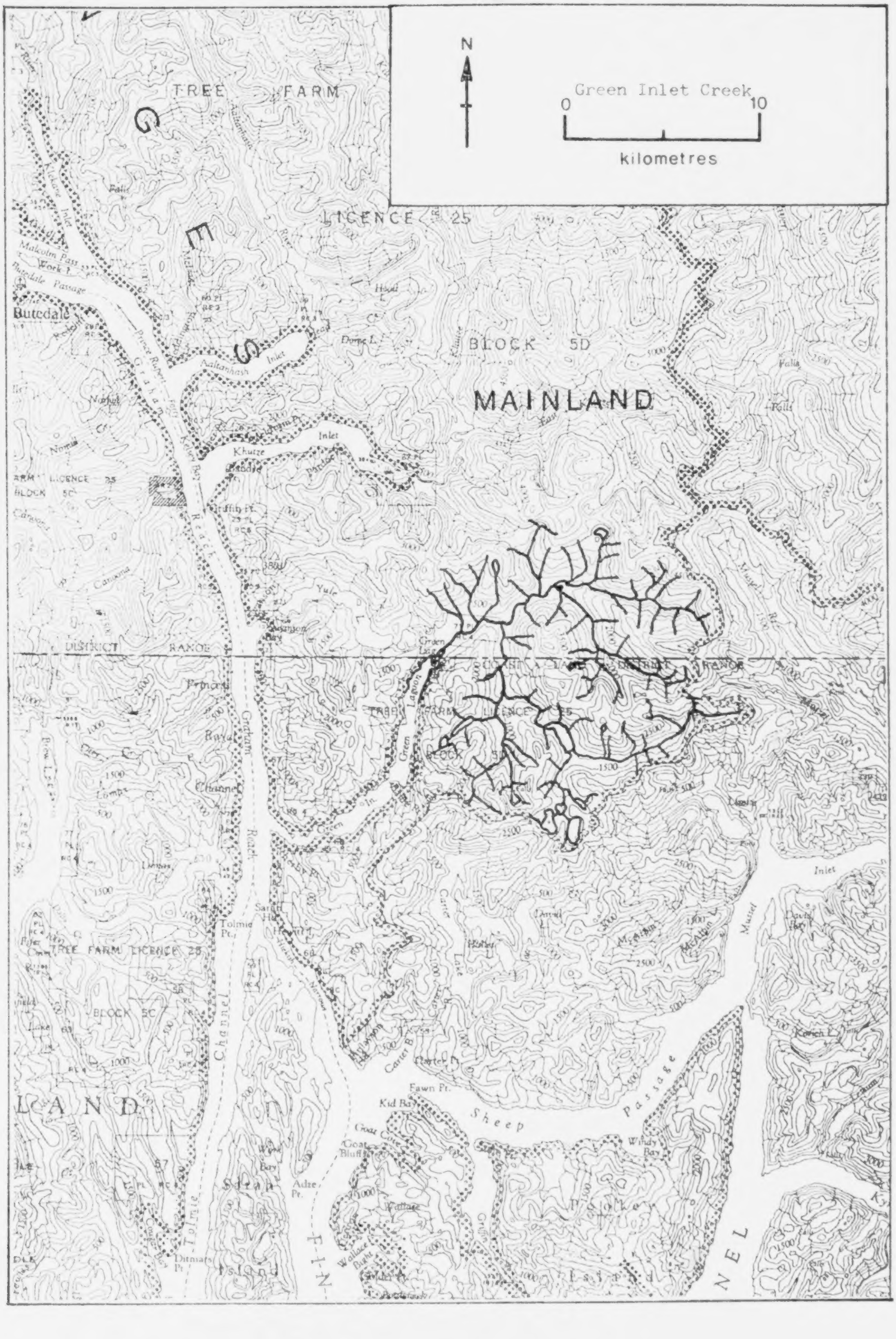
| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 75 | 1500 | 750 | |
| 48 | | | 75 | 25 | 750 | |
| 49 | | | 75 | 750 | 750 | |
| 50 | | | 25 | 25 | 200 | |
| 51 | | | 300 | 600 | 800 | |
| 52 | | | NOT INSPECTED | | | |
| 53 | | | 25 | 750 | 200 | |
| 54 | | | 200 | 200 | 750 | |
| 55 | | | 25 | 75 | 200 | |
| 56 | | | 25 | 75 | 400 | |
| 57 | | | N/O | N/O | N/O | |
| 58 | | | N/O | 200 | 25 | |
| 59 | | | 25 | N/O | N/O | |
| 60 | | | | 75 | 400 | |
| 61 | | | | 25 | N/O | |
| 62 | | | | N/O | 25 | |
| 63 | | | NOT INSPECTED | | | |
| 64 | | | N/O | 25 | 25 | |
| 65 | | | | 25 | 75 | |
| 66 | | | | N/O | N/O | |
| 67 | | | N/O | N/O | N/O | |
| 68 | | | N/O | N/O | 200 | |
| 69 | | | N/O | N/O | N/O | |
| 70 | | | N/O | N/O | N/O | |
| 71 | | | N/O | N/O | N/O | |
| 72 | | | | | 100 | |
| 73 | | | N/O | N/O | N/O | |
| 74 | | | 50 | 30 | N/O | |
| 75 | | | | 10 | 100 | |
| 76 | | | | | N/O | |
| 77 | | | | | N/O | |
| 78 | | | | 10 | 300 | |
| 79 | | | | 25 | 150 | |
| 80 | | | | N/O | 75 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING:

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | AUG | AUG | |
| START | | | AUG | AUG | AUG | |
| PEAK | | | | SEPT | SEPT | |
| END | | | SEPT | OCT | SEPT | |

REMARKS


N
Green Inlet Creek
0
10
kilometres
TREE FARM LICENCE 25
MAINLAND
BLOCK 5D
Butedale
Malcolm Pass
Aaltanhash Inlet
Khutze Inlet
Yule
Grenville
Princess Royal Channel
DISTRICT RANGE
COAST RANGE
TREE FARM LICENCE 25
BLOCK 5C
Green Lagoon
Green Inlet
Tolmie Pt.
Carter Bay
Sheep Passage
Kid Bay
Fawn Pt.
Goat Bluff
Adze Pt.
Windy Bay
Mussel Inlet
Tolmie Channel
Ditmars Pt.
Wallace Bight
Griffin
Carter Lake


N
Green Inlet Creek
0
10
kilometres
TREE FARM
LICENCE 25
BLOCK 5D
MAINLAND
Butedale
Aaltanhash Inlet
Khutze Inlet
Graham Reach
Green Lake
Green Lagoon
Green Inlet
TREE FARM LICENCE 25
BLOCK 5C
DISTRICT RANGE
Tolmie Pt.
Carter Bay
Fawn Pt.
Kid Bay
Goat Cove
Sheep Passage
Windy Bay
Mussel Inlet
Tolmie Channel
Wallace Bight

NAME OF STREAM GREEN INLET CREEK (Green River)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Green Inlet on E. shore of Graham Reach, Rge. 3, Coast Dist.

POSITION 52° 128° NE.

LENGTH 6.4 km WIDTH m DRAINAGE km$^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m$^2$ SPAWNING AREA m$^2$

DISCHARGE (m$^3$/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Series of impassable falls located 3.2 to 6.4 km from mouth

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - throughout |
| CHUM | - evenly distributed to first falls |
| PINK (ODD YEAR) | - evenly distributed to first falls |
| PINK (EVEN YEAR) | - evenly distributed to first falls |
| STEELHEAD | |

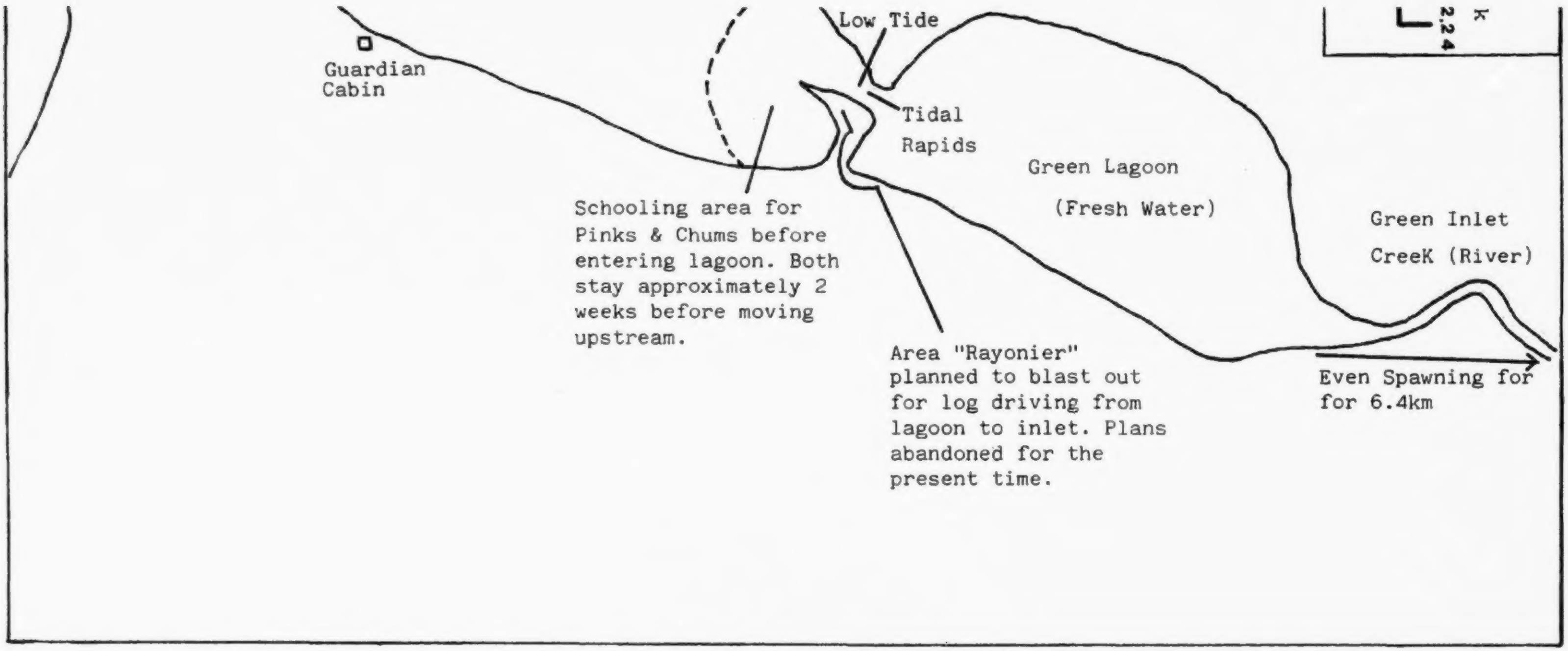
POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1949. Good spawning substrate
-1950. Flood conditions caused considerable loss of spawn
-1955-1956. Good potential for increased production
-1958. Guardian hired to enforce fishing restrictions to upbuild stocks
-1959. Green Inlet closed to net fishing to restore stocks
-1965. Large concentrations of pink salmon in Green Inlet during end of July and early August, although most fish left Green Inlet and spawned in Khutze River
-1966. One of the best pink producers in Area 6
-1967. Rayonier Canada Ltd. made application to remove rock formations at the end of the inlet for a log chute. Action would lower water levels in the lagoon and river
-1968. Rayonier Canada Ltd. abandoned plans to blast lagoon outfall rocks

GENERAL REMARKS (cont'd) Green Inlet Creek

at the head of Green Inlet
-1971. Spawning conditions were ideal and an excellent odd-year pink escapement was realized
-1975. Excellent potential - capable of supporting more fish than it does at present
-1976. Early spawning occurred during a high water period, so some loss of spawn possible due to freezing
-1978. November flooding may have caused some scouring and erosion to stream
- Good spawning gravel
- Clear water
- Subject to seasonal fluctuations in water levels
- Some predation by bears, birds, and seals


Guardian Cabin
Low Tide
Tidal Rapids
Green Lagoon
(Fresh Water)
Green Inlet CreeK (River)
2.24 k
Schooling area for Pinks & Chums before entering lagoon. Both stay approximately 2 weeks before moving upstream.
Area "Rayonier" planned to blast out for log driving from lagoon to inlet. Plans abandoned for the present time.
Even Spawning for for 6.4km

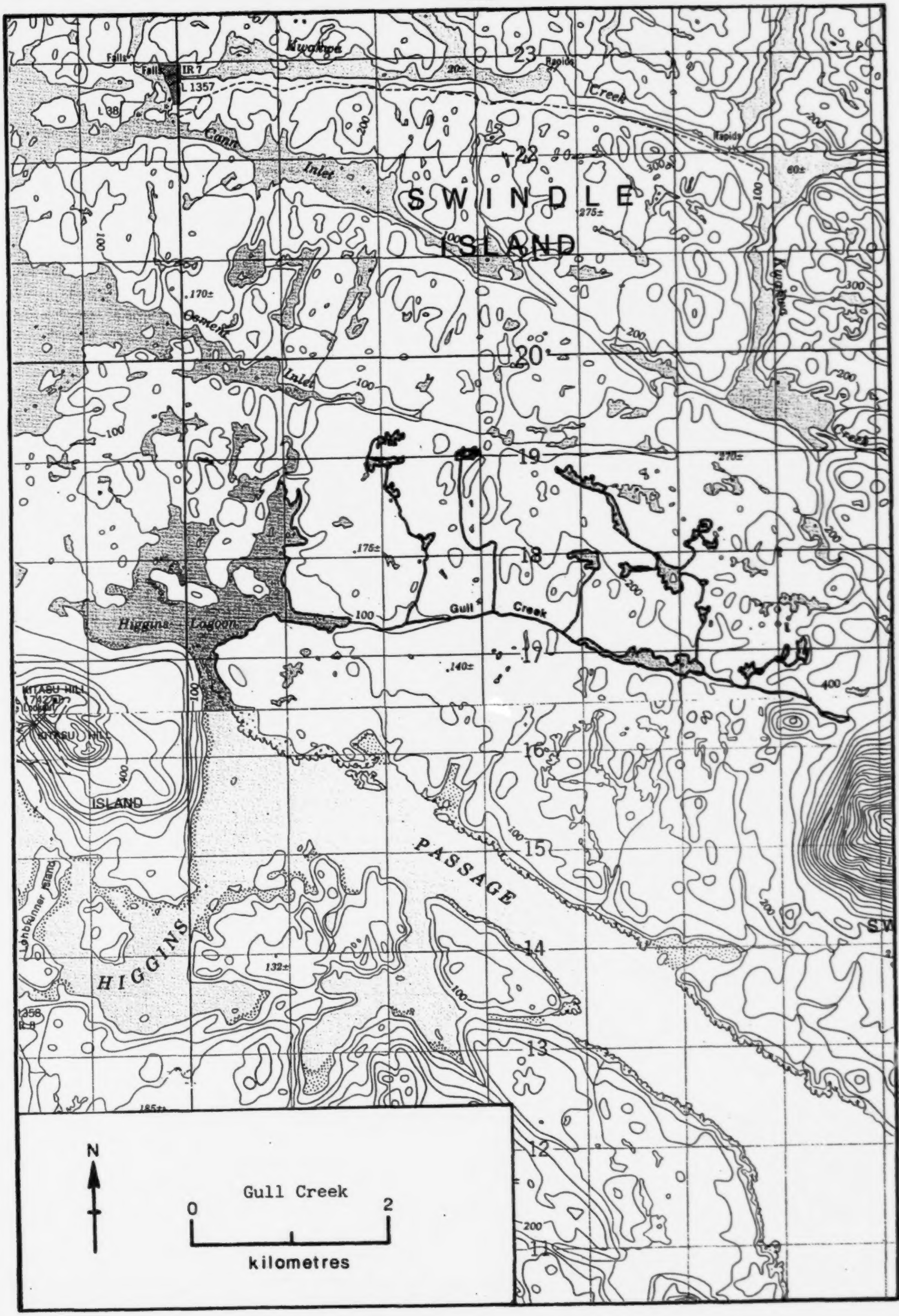
ESCAPEMENT RECORD FOR GREEN INLET CREEK (Green River)

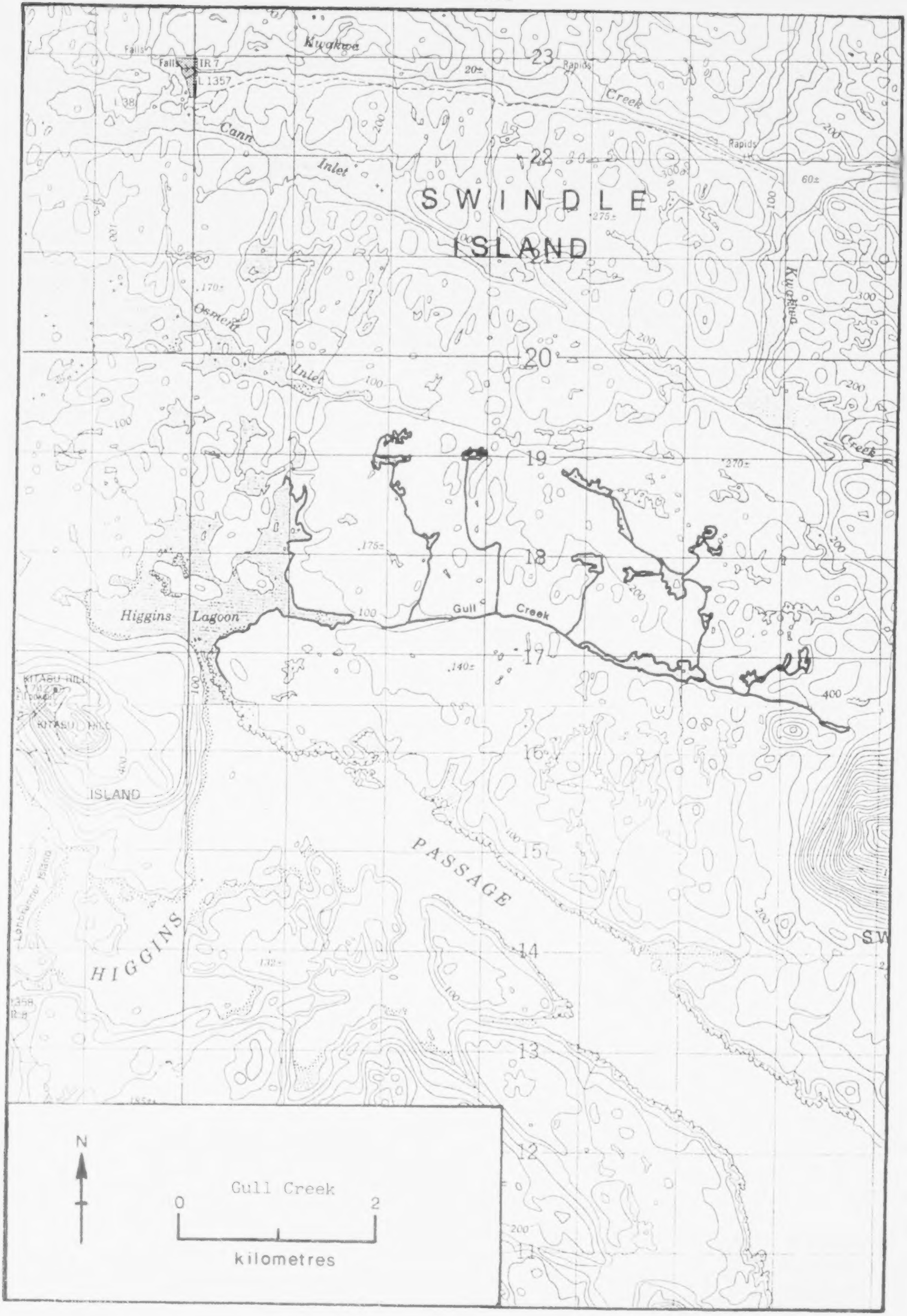
| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 1500 | 3500 | 1500 | |
| 48 | | | | | | |
| 49 | | | 3500 | 1500 | 3500 | |
| 50 | | | 750 | 7500 | 3500 | |
| 51 | | | 2500 | 4000 | 4500 | |
| 52 | | | | | | |
| 53 | | | 750 | 3500 | 1500 | |
| 54 | | | 750 | 1500 | 750 | |
| 55 | | | 750 | 750 | 3500 | |
| 56 | | | 1500 | 3500 | 7500 | |
| 57 | | | 75 | 750 | 25 | |
| 58 | | | 75 | 3500 | 3500 | |
| 59 | | | 25 | 75 | 3500 | |
| 60 | | | 75 | 7500 | 7500 | |
| 61 | | | 75 | 7500 | 15000 | |
| 62 | | | 200 | 7500 | 75000 | |
| 63 | | | 750 | 7500 | 35000 | |
| 64 | | | 1500 | 7500 | 75000 | |
| 65 | | | 3500 | 7500 | 15000 | |
| 66 | | | N/O | 8000 | 100000 | |
| 67 | | | 200 | 15000 | 3500 | |
| 68 | | | 3500 | 7500 | 15000 | |
| 69 | | | 5300 | 7100 | 8500 | |
| 70 | | | 1500 | 3500 | 15000 | |
| 71 | | | 2500 | 3000 | 16000 | |
| 72 | | | 3500 | 6000 | 35000 | |
| 73 | | | 1000 | 15000 | 25000 | |
| 74 | | | 2000 | 5000 | 11000 | |
| 75 | | | 1000 | 5500 | 10000 | |
| 76 | | | 1000 | 3000 | 17000 | |
| 77 | | | 700 | 750 | 2000 | |
| 78 | | | 250 | 8500 | 3000 | |
| 79 | | | 300 | 1200 | 1300 | |
| 80 | | | | | | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING:

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | AUG | E AUG | JULY | |
| START | | | AUG | AUG | AUG | |
| PEAK | | | SEPT | SEPT | SEPT | |
| END | | | NOV | L SEPT | L SEPT | |

REMARKS


SWINDLE
ISLAND
Kwakwa
Falls
IR 7
L 1357
L 38
Cann Inlet
Creek
Rapids
Oomeni Inlet
Kwakwa
Creek
Higgins Lagoon
Gull Creek
KITASU HILL
ISLAND
PASSAGE
HIGGINS
Lohbrunner Island
23
22
20
19
18
17
16
15
14
13
12
11
100
200
300
400
170±
175±
140±
132±
185±
275±
270±
60±
20±
N
Gull Creek
0
2
kilometres


SWINDLE ISLAND
Kwakwa
Creek
Canoe Inlet
Osment Inlet
Higgins Lagoon
Gull Creek
KITASU HILL
ISLAND
PASSAGE
HIGGINS
Falls
IR 7
L 1357
Rapids
Kwakwa Creek
23
22
21
20
19
18
17
16
15
14
13
12
11
N
Gull Creek
0
2
kilometres

NAME OF STREAM (Gull Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Higgins Lagoon at head of Higgins Passage, Rge. 3, Coast Dist. POSITION 52°30"N 128°45"W

LENGTH 8.0 km WIDTH m DRAINAGE km$^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m$^2$ SPAWNING AREA m$^2$

DISCHARGE (m$^3$/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - lake outlet and tributaries |
| CHINOOK | |
| COHO | - location unknown |
| CHUM | - throughout lower reaches |
| PINK (ODD YEAR) | - throughout lower reaches |
| PINK (EVEN YEAR) | - throughout lower reaches |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1950. Well protected stream with poor accessibility, therefore run should be larger than it is

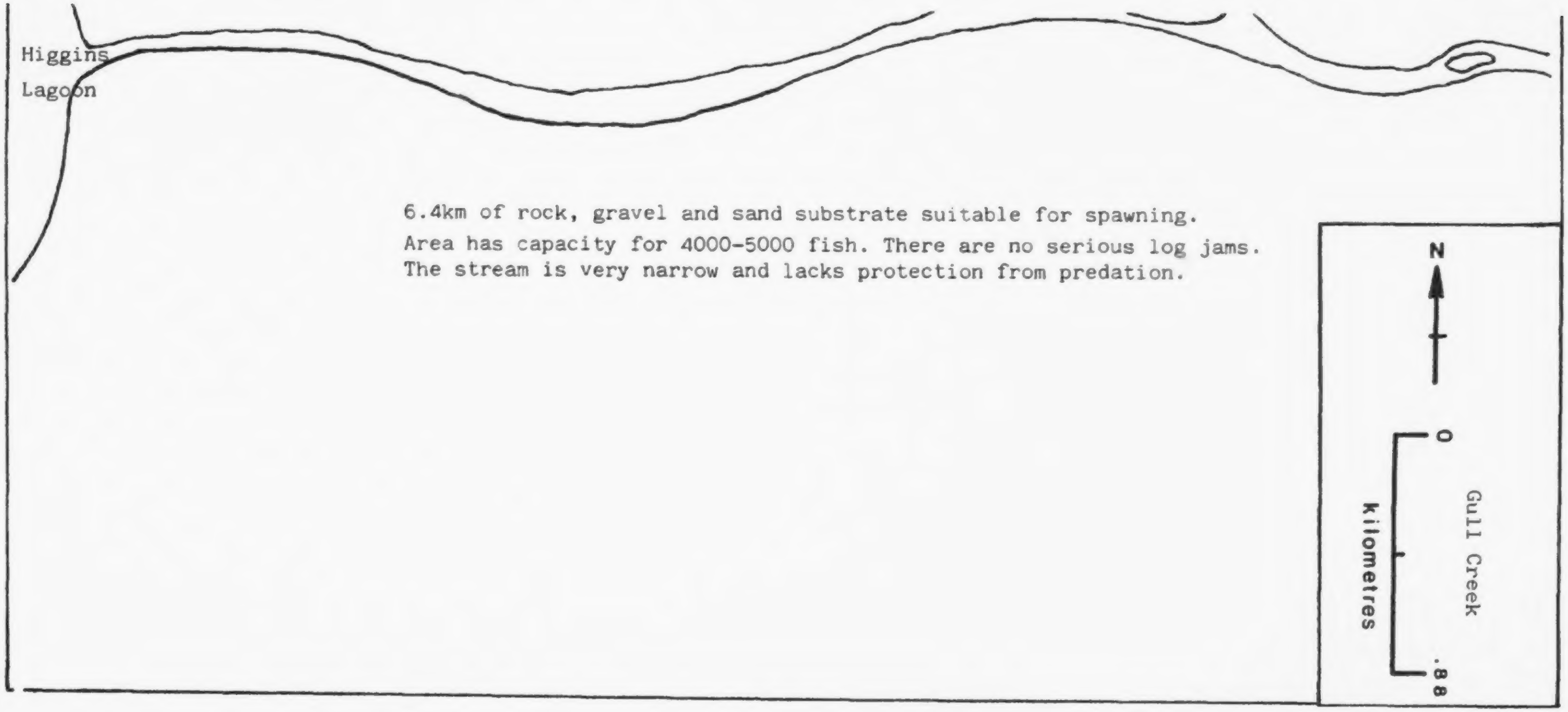
-1957. Chums observed in salt water lagoon in early October

-1973. First time sockeye observed since 1964. Poor observation conditions

-1974. High water impaired accurate observation of coho

-1979. The historical low production of this stream does not justify stream clearance expenditures for removing beaver dams

- Subject to normal seasonal fluctuations in water levels
- Predation by bears, wolves, and birds. Sculpins prey on eggs


Higgins Lagoon
N
0
kilometres
.88
Gull Creek

6.4km of rock, gravel and sand substrate suitable for spawning.
Area has capacity for 4000-5000 fish. There are no serious log jams.
The stream is very narrow and lacks protection from predation.

ESCAPEMENT RECORD FOR (Gull Creek)

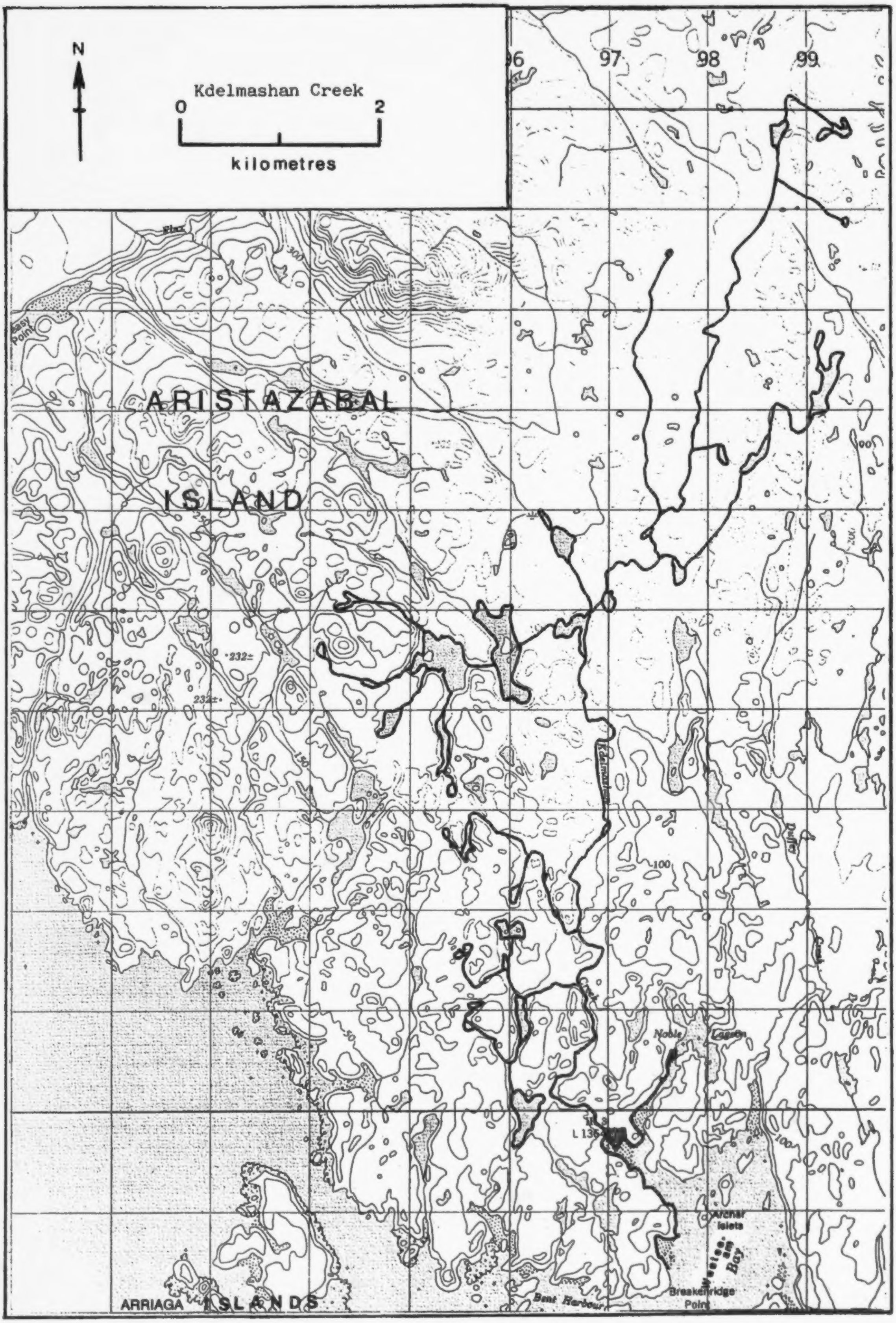
| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 200 | 7500 | 200 | |
| 48 | | | 25 | | 750 | |
| 49 | | | 25 | 750 | 25 | |
| 50 | | | 25 | 750 | 200 | |
| 51 | | | 50 | 100 | 75 | |
| 52 | | | | | 400 | |
| 53 | | | 1500 | 1500 | 750 | |
| 54 | | | 25 | 400 | 400 | |
| 55 | | | 200 | 400 | 200 | |
| 56 | | | 25 | 400 | 400 | |
| 57 | | | N/O | N/O | N/O | |
| 58 | 25 | | 25 | 75 | 25 | |
| 59 | 400 | | 750 | 400 | 750 | |
| 60 | | | 200 | 750 | 7500 | |
| 61 | 25 | | 25 | 75 | 25 | |
| 62 | 75 | | 750 | 25 | 750 | |
| 63 | N/O | | 200 | 400 | 25 | |
| 64 | N/O | | 75 | 200 | 750 | |
| 65 | | | NOT INSPECTED | | | |
| 66 | N/O | | N/O | N/O | N/O | |
| 67 | N/O | | N/O | 750 | N/O | |
| 68 | | | N/O | 750 | 750 | |
| 69 | | | N/O | N/O | N/O | |
| 70 | | | N/O | N/O | 400 | |
| 71 | | | N/O | 200 | 25 | |
| 72 | | | N/O | 75 | 75 | |
| 73 | 400 | | N/O | 1500 | 25 | |
| 74 | 200 | | N/O | 25 | 200 | |
| 75 | | | | 50 | 50 | |
| 76 | | | | N/O | N/O | |
| 77 | | | | 200 | 20 | |
| 78 | | | | | | |
| 79 | | | N/O | N/O | N/O | |
| 80 | | | NOT INSPECTED | | | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | E. SEPT | E. SEPT | |
| START | | | | SEPT | SEPT | |
| PEAK | | | | SEPT | SEPT | |
| END | | | | OCT | OCT | |

REMARKS

- 1957. Stream was almost dry during spawning period.


N
Kdelmashan Creek
0
2
kilometres
96
97
98
99
ARISTAZABAL
ISLAND
Easy Point
300
232±
232±
150
100
100
200
50
Kdelmashan Creek
Noble
Lagoon
L 136
Archer Islets
Weeteeam Bay
Breakenridge Point
Bent Harbour
ARRIAGA ISLANDS

NAME OF STREAM KDELMASHAN CREEK (Lagoon Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows S. into head of Weeteeam Bay, Rge. 3, Coast Dist.

POSITION 52°N 128°W

LENGTH 14.5 km WIDTH ______ m DRAINAGE ______ km²

COMPOSITION: BEDROCK ______ BOULDER ______ COARSE ______ FINE ______

SILT & SAND ______ UNCLASSIFIED ______

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA ______ m² SPAWNING AREA ______ m²

DISCHARGE ($m^3/s$) ______

TEMPERATURE (°C) ______

BARRIERS OR POINTS OF DIFFICULT ASCENT ______

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - lake outlet and tributaries |
| CHINOOK | |
| COHO | - throughout |
| CHUM | - to lake |
| PINK (ODD YEAR) | - to lake |
| PINK (EVEN YEAR) | - to lake |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ______

GENERAL REMARKS

-1957. Very low water levels. Chums spawned in tidal water at mouth

-1958. Sockeye observed in bay, but none appeared in the stream

-1960. Surveyed feasibility of removing log jam located 1.2 km from the mouth

-1961. Log jam removed

-1967. About 90% of fish spawn in Kdelmashan Creek tributaries rather than the creek. This system is one of the best sockeye producers on Aristazabal Is. and supports the Klemtu Indian fishery each May and June

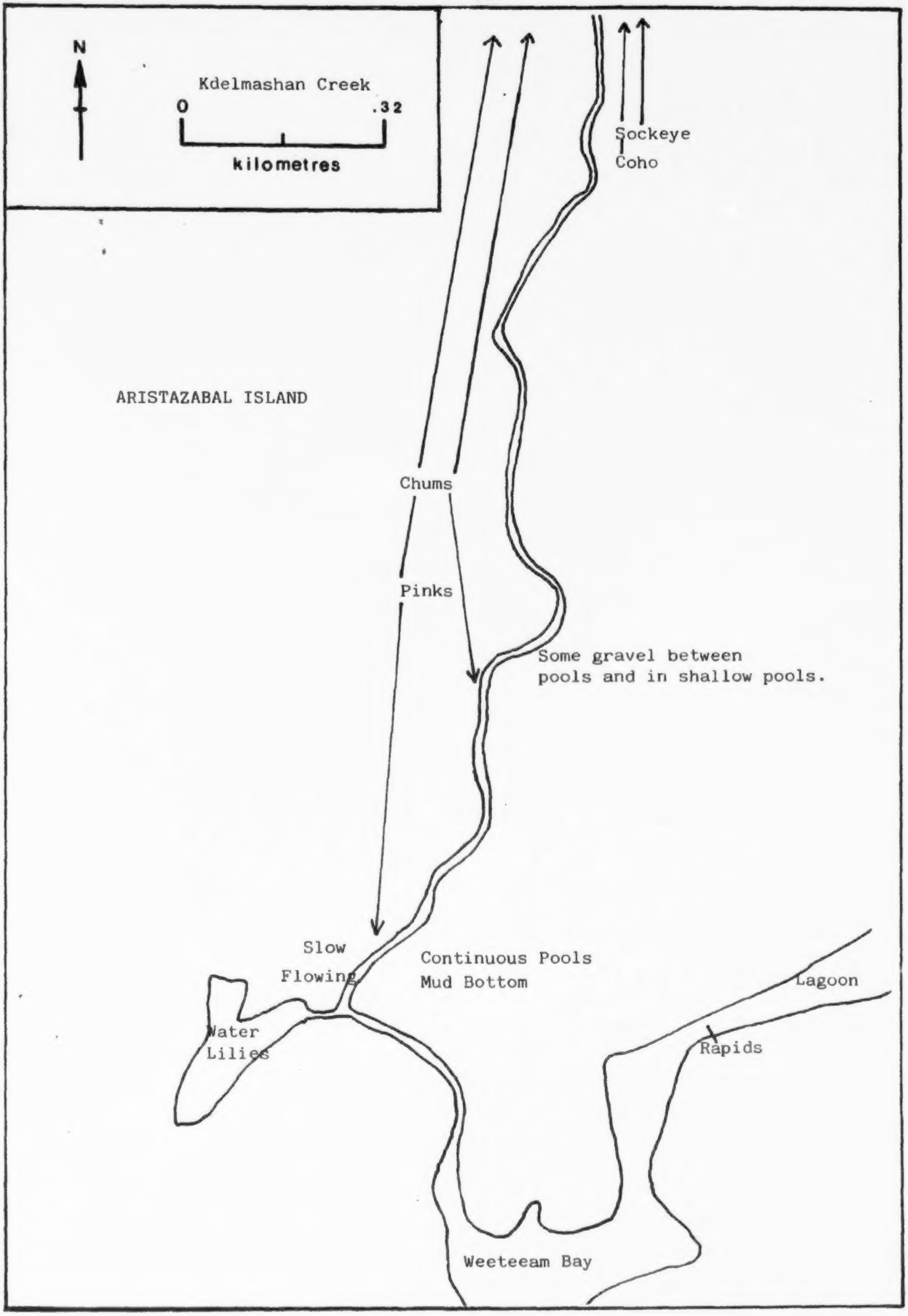
-1968. Turbid water hampered escapement enumeration, and limited it to the mouth and headwater areas

-1971. Light net fishing in Weeteeam Bay during July resulted in high sockeye escapements

-1977. Decided to file stream records by N.T. S. map name to avoid confusion

GENERAL REMARKS (cont'd) Kdelmashan Creek

-1978, 1980. Flooding may have caused some scouring and erosion to the system
-1979-1980. Access to upper reaches was difficult due to water conditions
- Good spawning gravel
- Subject to seasonal fluctuations in water levels
- Some predation by wolves, otters, and birds

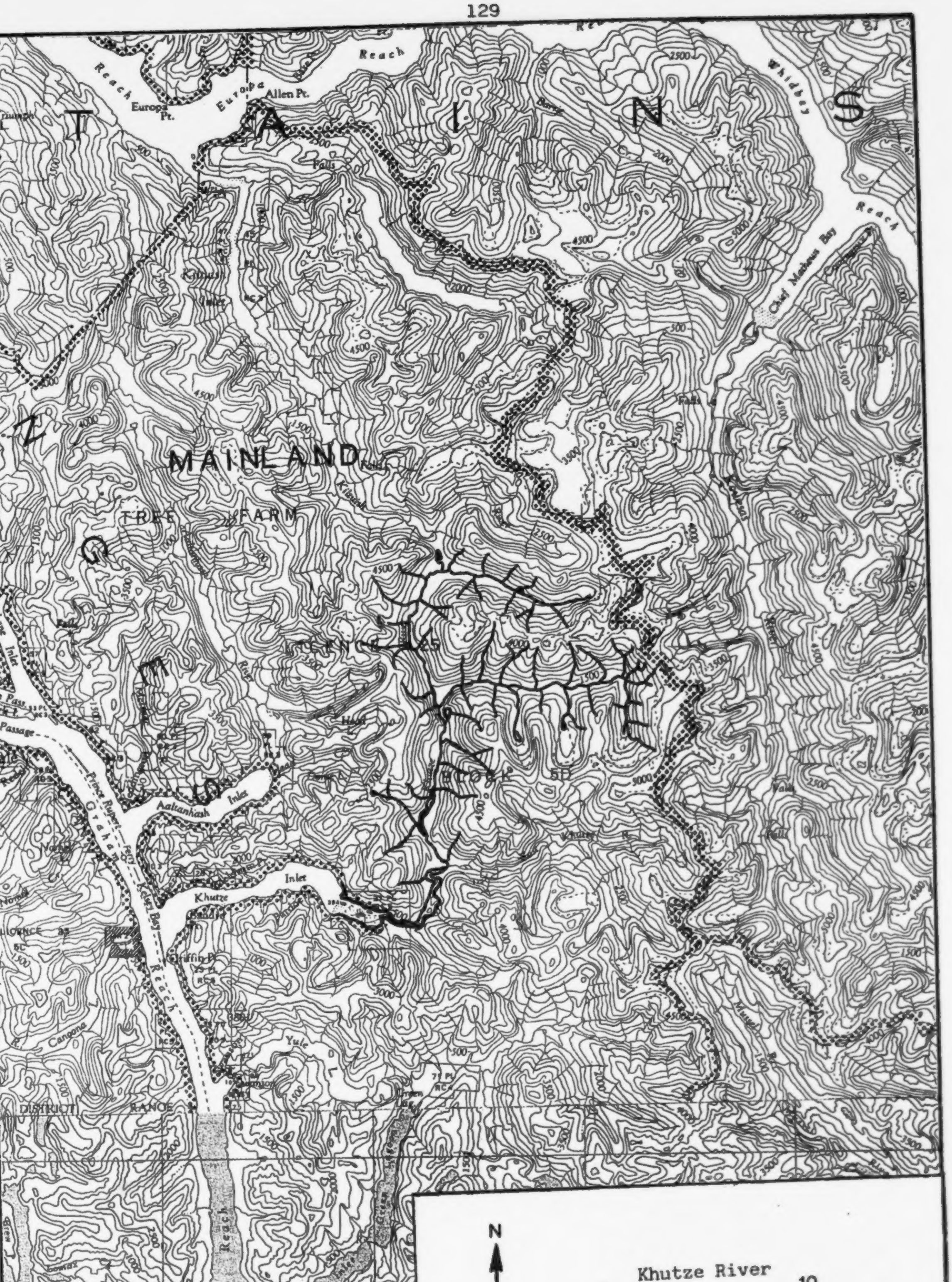

N
Kdelmashan Creek
0
.32
kilometres
Sockeye
Coho
ARISTAZABAL ISLAND
Chums
Pinks
Some gravel between pools and in shallow pools.
Slow Flowing
Continuous Pools Mud Bottom
Lagoon
Water Lilies
Rapids
Weeteeam Bay

ESCAPEMENT RECORD FOR KDELMASHAN CREEK (Lagoon Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | NO | RECORD | | |
| 48 | | | NO | RECORD | | |
| 49 | | | 750 | 3500 | 1500 | |
| 50 | | | 25 | 400 | 200 | |
| 51 | | | 500 | 3300 | 1700 | |
| 52 | | | | | 750 | |
| 53 | | | 750 | 3500 | 200 | |
| 54 | | | 1500 | 7500 | 750 | |
| 55 | | | 1500 | 3500 | 25 | |
| 56 | | | 1500 | 3500 | 3500 | |
| 57 | | | 1500 | 3500 | 400 | |
| 58 | UNK | | 1500 | 3500 | 750 | |
| 59 | 750 | | 3500 | 75 | 400 | |
| 60 | | | 750 | 3500 | 75 | |
| 61 | | | 750 | 400 | 7500 | |
| 62 | | | 750 | 1500 | 400 | |
| 63 | 750 | | 750 | 200 | 7500 | |
| 64 | 400 | | 750 | 1500 | N/O | |
| 65 | UNK | | 750 | 750 | N/O | |
| 66 | N/O | | N/O | N/O | N/O | |
| 67 | 1500 | | 750 | 3500 | 750 | |
| 68 | 400 | | 400 | 3500 | 7500 | |
| 69 | 500 | | 200 | 2000 | 700 | |
| 70 | 400 | | 200 | 1500 | 3500 | |
| 71 | 1500 | | 750 | N/O | 3500 | |
| 72 | 400 | | 1600 | 250 | 4000 | |
| 73 | 3000 | | 300 | 2000 | N/O | |
| 74 | 1800 | | 400 | 400 | 5000 | |
| 75 | 700 | | 1200 | 1400 | 1500 | |
| 76 | 400 | | 300 | 1550 | 20000 | |
| 77 | 450 | | 140 | 3000 | N/O | |
| 78 | 100 | | 400 | 1500 | 12000 | |
| 79 | 750 | | 400 | | N/O | |
| 80 | 400 | | 100 | 100 | 500 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

| TIMING | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | L. JUNE | | M. SEPT | E. SEPT | E. SEPT | |
| START | L. SEPT | | SEPT | E. SEPT | M. SEPT | |
| PEAK | L. SEPT | | OCT | L. SEPT | L. SEPT | |
| END | L. OCT | | NOV | OCT | L. OCT | |

REMARKS


Europa Pt.
Allen Pt.
Reach
Whidbey Reach
Kiltuish Inlet
MAINLAND
TREE FARM
Chief Mathews Bay
Aaltanhash Inlet
Khutze Inlet
Princess Royal Passage
Grenville Channel
Graham Reach
Griffin Pt.
Cangona
Yule
Green Inlet
Sarah Hd.
Lake
Falls
Khutze
DISTRICT
RANGE
N
Khutze River
0
10
kilometres

NAME OF STREAM KHUTZE RIVER

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Khutze Inlet, Rge. 4, Coast Dist.

POSITION 53°N 128°W

LENGTH 11.5 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 9.5 km on the left fork and at 9.0 km on the right fork

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | - approximately 9 km upstream |
| COHO | - approximately 9 km upstream |
| CHUM | - lower reaches |
| PINK (ODD YEAR) | - mostly lower reaches |
| PINK (EVEN YEAR) | - mostly lower reaches |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1950. Dolly Varden observed feeding on salmon spawn. Chinook observed by local resident. Sockeye most likely a stray

-1951. Dolly Varden frequent 1st 0.8 km of stream

-1962. Slide above falls in July. River moved west. There were no apparent effects on spawning grounds below cascades

-1965. Stream warrants examination

-1966. Fisheries officers suggested use of a helicopter for future surveys

-1968. Construction of mining road caused no stream quality problems and saw little use

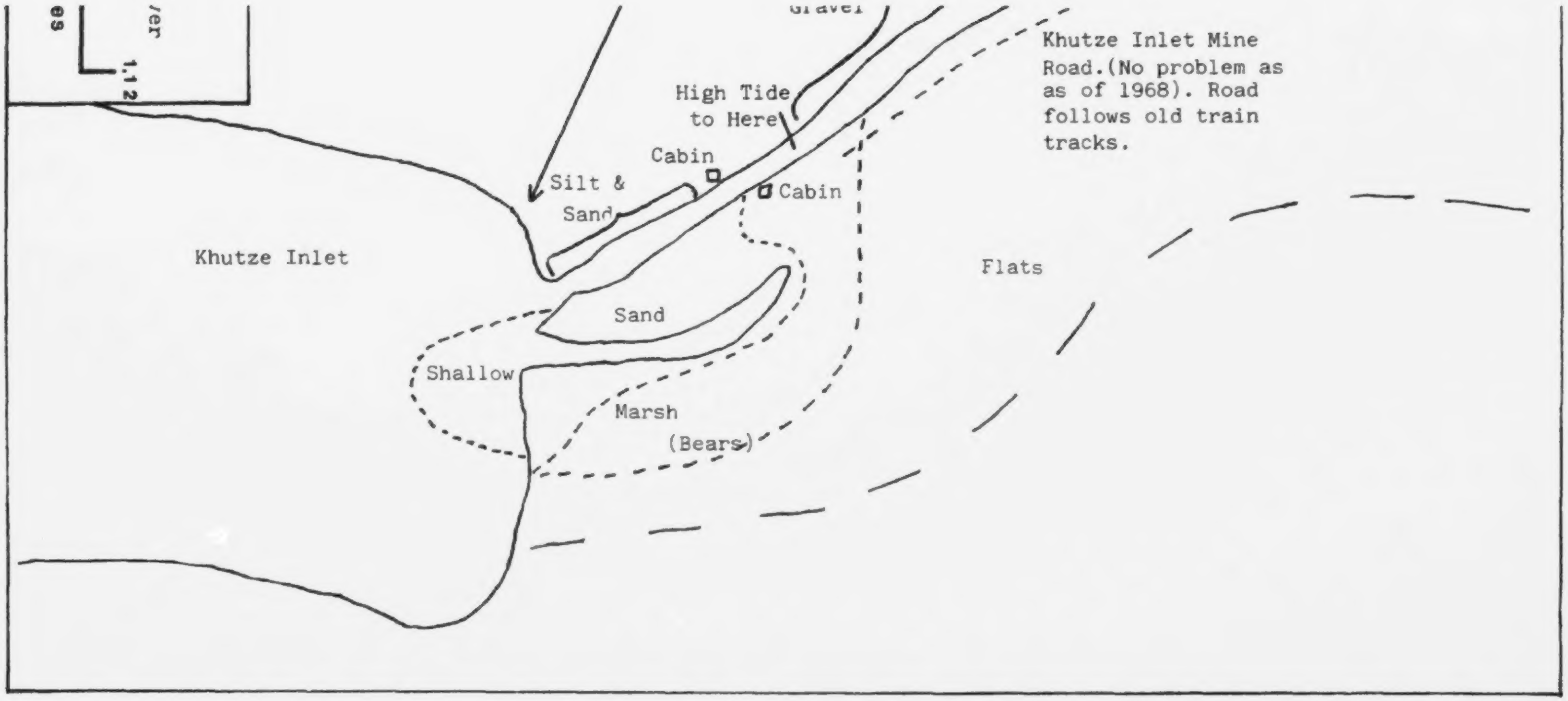
-1975. Good potential

-1978, 1980. Possible damage by winter floods

-1979. Silty conditions impaired enumeration

GENERAL REMARKS (cont'd) Khutze River

- Due to glacial origin stream is subject to silting and generally muddy
- Subject to seasonal fluctuations in water levels
- Some predation by bears, seals and birds. Dolly Varden prey on eggs near the river mouth


1.12
/er
es
Gravel
High Tide to Here
Cabin
Silt & Sand
Cabin
Khutze Inlet
Sand
Flats
Shallow
Marsh
(Bears)

Khutze Inlet Mine Road.(No problem as as of 1968). Road follows old train tracks.

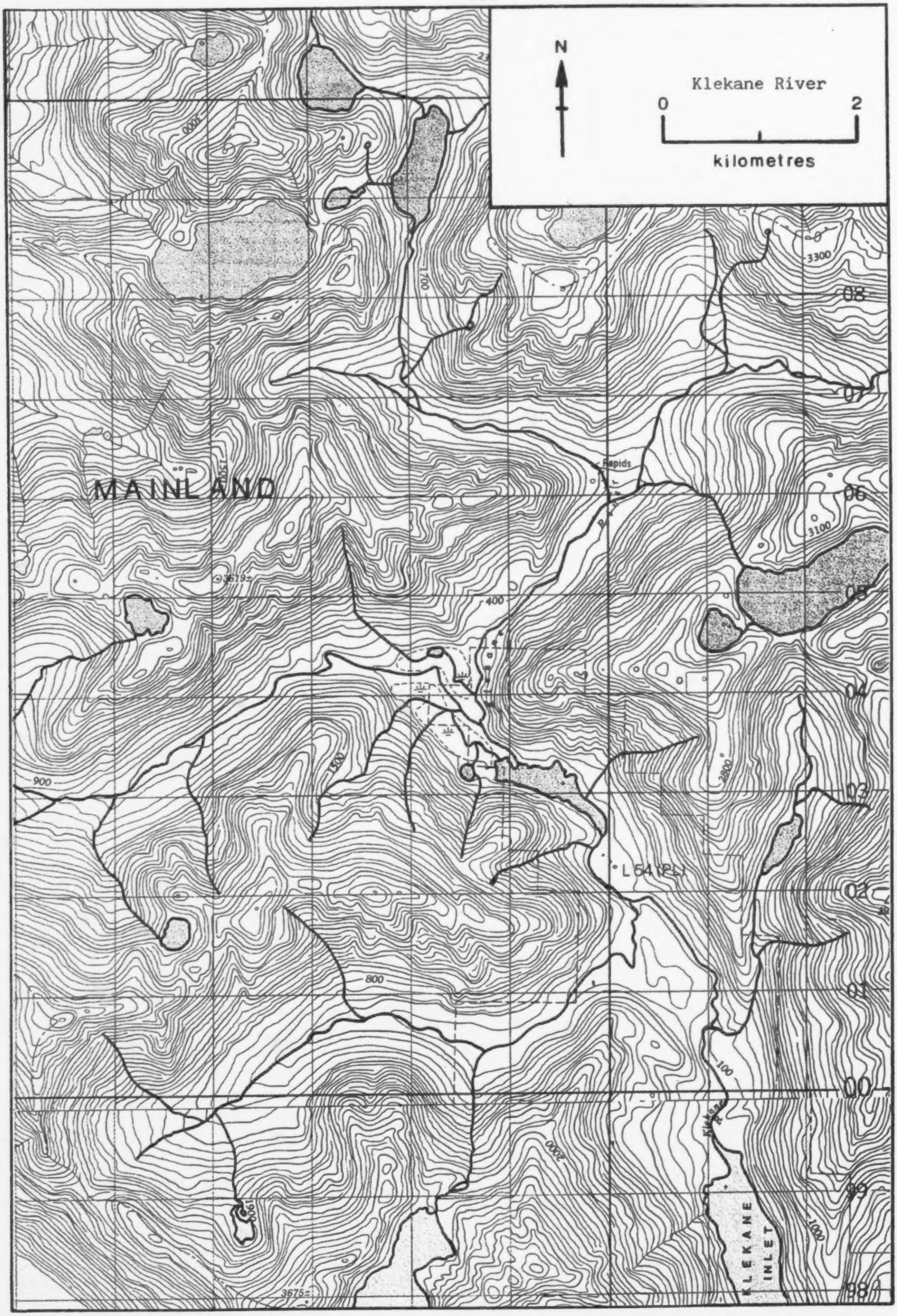
ESCAPEMENT RECORD FOR KHUTZE RIVER

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 1500 | 7500 | 15000 | |
| 48 | | | 1500 | | 15000 | |
| 49 | | 1500 | 750 | 3500 | 15000 | |
| 50 | 25 | 1500 | 400 | 750 | 3500 | |
| 51 | | 1500 | 1500 | 6000 | 18000 | |
| 52 | | | | | 3500 | |
| 53 | | 1500 | 400 | 3500 | 1500 | |
| 54 | | 750 | 1500 | 750 | 3500 | |
| 55 | | 1500 | 400 | 750 | 3500 | |
| 56 | | 750 | 1500 | 750 | 3500 | |
| 57 | | 25 | N/O | 750 | 400 | |
| 58 | | 1500 | 400 | 400 | 3500 | |
| 59 | | 25 | 200 | 400 | 1500 | |
| 60 | | 25 | | 3500 | 3500 | |
| 61 | | 25 | 1500 | 25 | 15000 | |
| 62 | | N/O | N/O | 3500 | 15000 | |
| 63 | | 1500 | 7500 | 3500 | 15000 | |
| 64 | | 1500 | 7500 | 7500 | 35000 | |
| 65 | | 1500 | 3500 | 1500 | 75000 | |
| 66 | | N/O | 1000 | 2500 | 22000 | |
| 67 | | 200 | 75 | 750 | N/O | |
| 68 | | N/O | 400 | 1500 | 7500 | |
| 69 | | N/O | N/O | 1000 | 500 | |
| 70 | | N/O | 75 | 1500 | 7500 | |
| 71 | | 25 | 400 | 5000 | 15000 | |
| 72 | | N/O | 400 | 4000 | 15000 | |
| 73 | | N/O | 200 | 40000 | 20000 | |
| 74 | | N/O | 400 | 7000 | 10000 | |
| 75 | | N/O | 200 | 5000 | 8000 | |
| 76 | | 20 | 5000 | 200 | 20000 | |
| 77 | | 30 | 600 | 150 | 2200 | |
| 78 | | 10 | 300 | 1100 | 700 | |
| 79 | | N/O | 400 | 500 | 8000 | |
| 80 | | 60 | 200 | 50 | 750 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | M. JULY | L. AUG | M. AUG | M. AUG | |
| START | | E. AUG | M. SEPT | M. AUG | L. AUG | |
| PEAK | | M. AUG | OCT | M. SEPT | M. SEPT | |
| END | | SEPT | NOV | L. SEPT | L. SEPT | |

REMARKS


N
Klekane River
0
2
kilometres
MAINLAND
Rapids
L54(PL)
KLEKANE INLET
3300
3100
3619±
3675±
2800
2000
1500
1000
900
800
700
400
100
08
07
06
05
04
03
02
01
00
99
98

NAME OF STREAM KLEKANE RIVER

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows S. into Klekane Inlet, Rge. 4, Coast Dist.

POSITION 53° 128° SW.

LENGTH 4.8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 2.4 km

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - to falls |
| CHUM | - to falls |
| PINK (ODD YEAR) | - to falls |
| PINK (EVEN YEAR) | - to falls |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

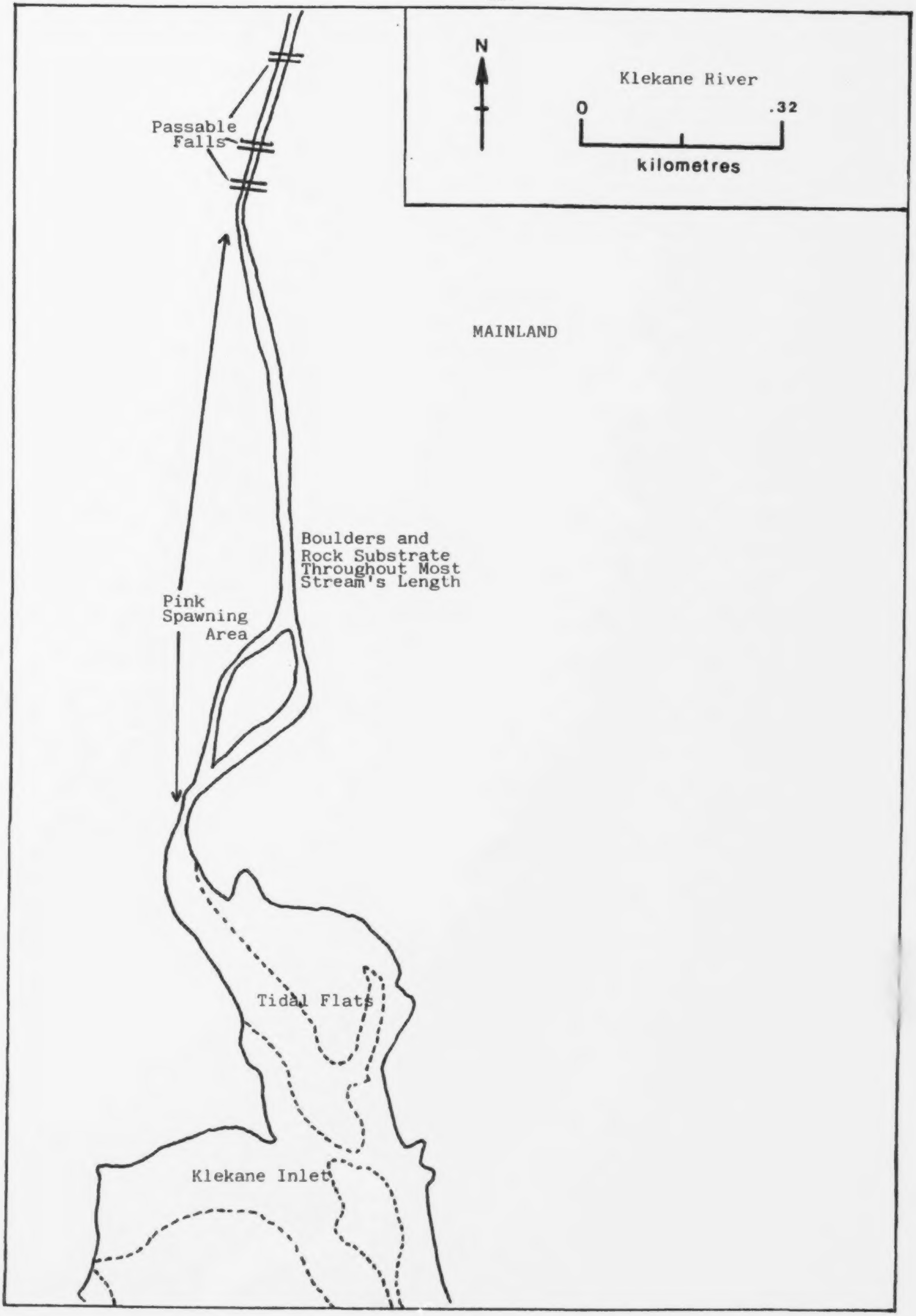
-1951. Light escapement

-1957. Lower portion has good spawning habitat for pinks and chums. 1956-1957 closure helped protect stocks

-1967. Rocky upper reaches dried up during 1965 summer drought resulting in poor pink and coho returns in 1967

-1980. Flooding in late December

- Lower 2.4 km has good spawning habitat
- Limited predation
- Subject to seasonal fluctuations in water levels


N
Klekane River
0
.32
kilometres
Passable Falls
MAINLAND
Boulders and Rock Substrate Throughout Most Stream's Length
Pink Spawning Area
Tidal Flats
Klekane Inlet

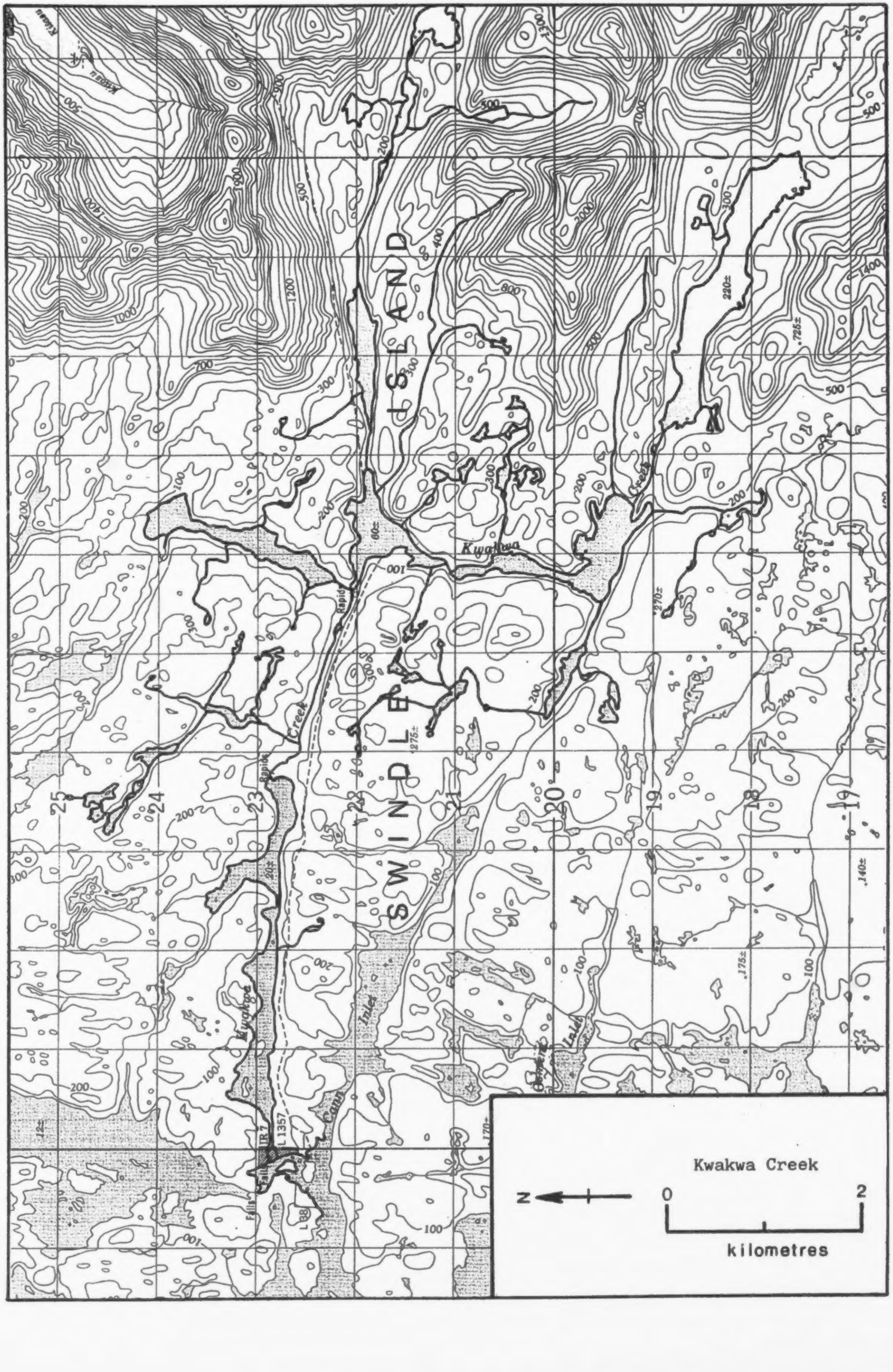
ESCAPEMENT RECORD FOR KLEKANE RIVER

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 400 | 750 | 400 | |
| 48 | | | 400 | | 7500 | |
| 49 | | | 1500 | 750 | 1500 | |
| 50 | | | 75 | 200 | 3500 | |
| 51 | | | 400 | 700 | 900 | |
| 52 | | | | | 3500 | |
| 53 | | | 75 | 200 | 750 | |
| 54 | | | 400 | 200 | 3500 | |
| 55 | | | 75 | 400 | 3500 | |
| 56 | | | 75 | 400 | 1500 | |
| 57 | | | | 400 | 75 | |
| 58 | | | 400 | 200 | 1500 | |
| 59 | | | 400 | 200 | 400 | |
| 60 | | | | 750 | 3500 | |
| 61 | | | 400 | 400 | 3500 | |
| 62 | | | 3500 | 7500 | 15000 | |
| 63 | | | 7500 | 750 | 15000 | |
| 64 | | | 400 | 750 | 15000 | |
| 65 | | | 1500 | 750 | 7500 | |
| 66 | | | 300 | N/O | 200 | |
| 67 | | | N/O | N/O | N/O | |
| 68 | | | N/O | N/O | 7500 | |
| 69 | | | 50 | N/O | 250 | |
| 70 | | | N/O | N/O | 1500 | |
| 71 | | | N/O | 25 | 1500 | |
| 72 | | | N/O | N/O | 800 | |
| 73 | | | N/O | 50 | 500 | |
| 74 | | | N/O | 1500 | 800 | |
| 75 | | | | 1100 | 7200 | |
| 76 | | | | N/O | 2300 | |
| 77 | | | 50 | N/O | 800 | |
| 78 | | | | 50 | 800 | |
| 79 | | | N/O | 10 | 2500 | |
| 80 | | | | 25 | 400 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | M. AUG | M. AUG | |
| START | | | | L. AUG | M. AUG | |
| PEAK | | | | M. SEPT | E. SEPT | |
| END | | | | L. SEPT | M. SEPT | |

REMARKS


Kwakwa Creek
N
0
2
kilometres
SWINDLE ISLAND
Kwakwa
Creek
Kwakwa
Creek
Rapids
Rapids
Falls
Falls
IR 7
L 1357
L 98
Inlet
25
24
23
22
21
20
19
18
17

NAME OF STREAM KWA KWA CREEK (Qua Qua Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Kitasu Inlet, Rge. 3, Coast Dist.

POSITION 52° 128° NW.

LENGTH 8.0 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - throughout lake system |
| CHINOOK | |
| COHO | - throughout lake system |
| CHUM | - lower reaches |
| PINK (ODD YEAR) | - between 1st and 2nd lakes |
| PINK (EVEN YEAR) | - between 1st and 2nd lakes |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1949. Drag seining at stream mouth

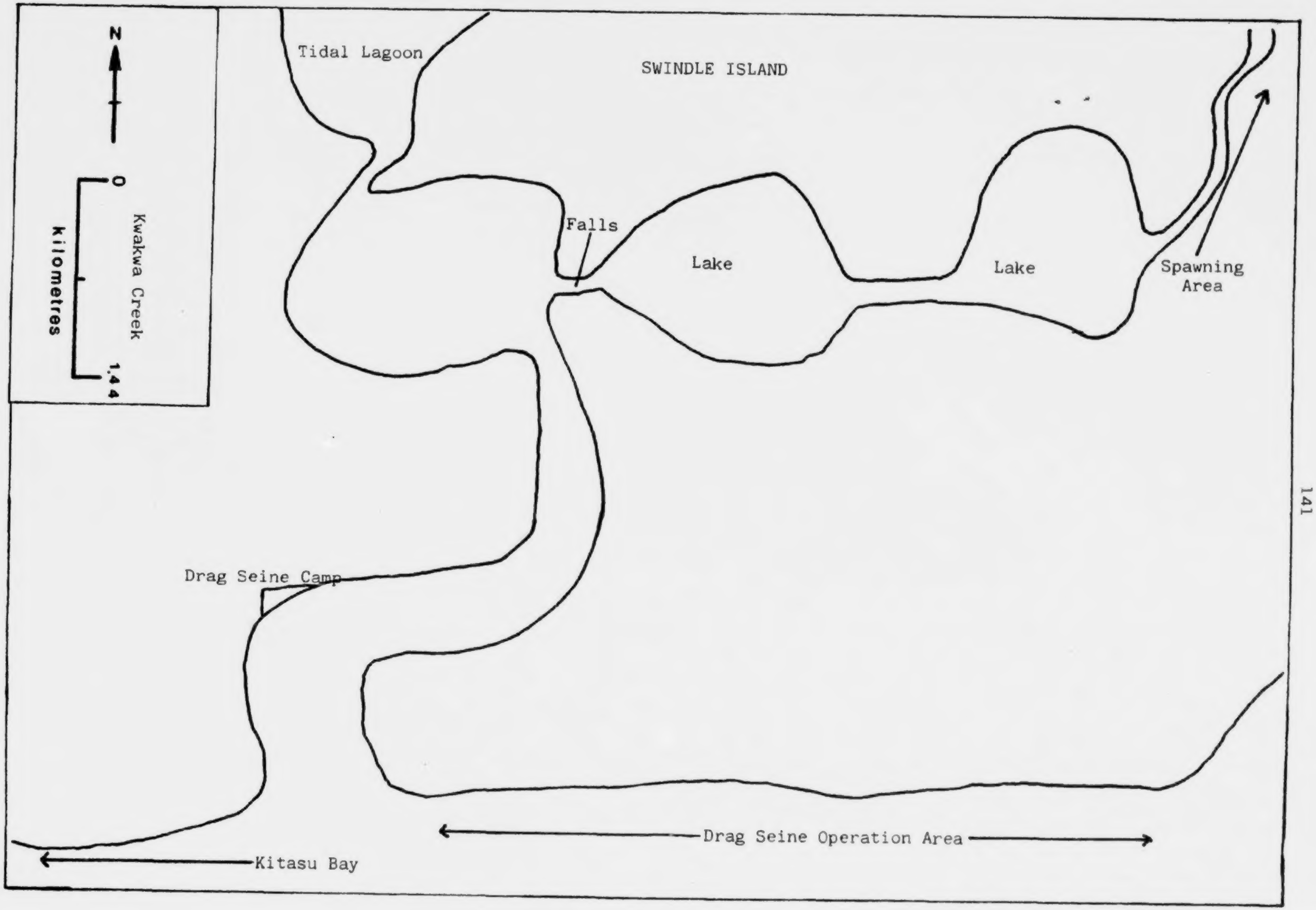
-1950. Successful drag seining - 11,232 sockeye, 669 pink, 743 coho, 285 chum

-1951-1960. Indian drag seining operations at stream mouth

-1961-1968. Very limited drag seining activity

-1969. Recommended that drag seining be suspended to protect Kitasu Bay sockeye

-1970- 1980. Very few spawners observed annually


N
0
1.44
kilometres
Kwakwa Creek
Tidal Lagoon
SWINDLE ISLAND
Falls
Lake
Lake
Spawning Area
Drag Seine Camp
Drag Seine Operation Area
Kitasu Bay

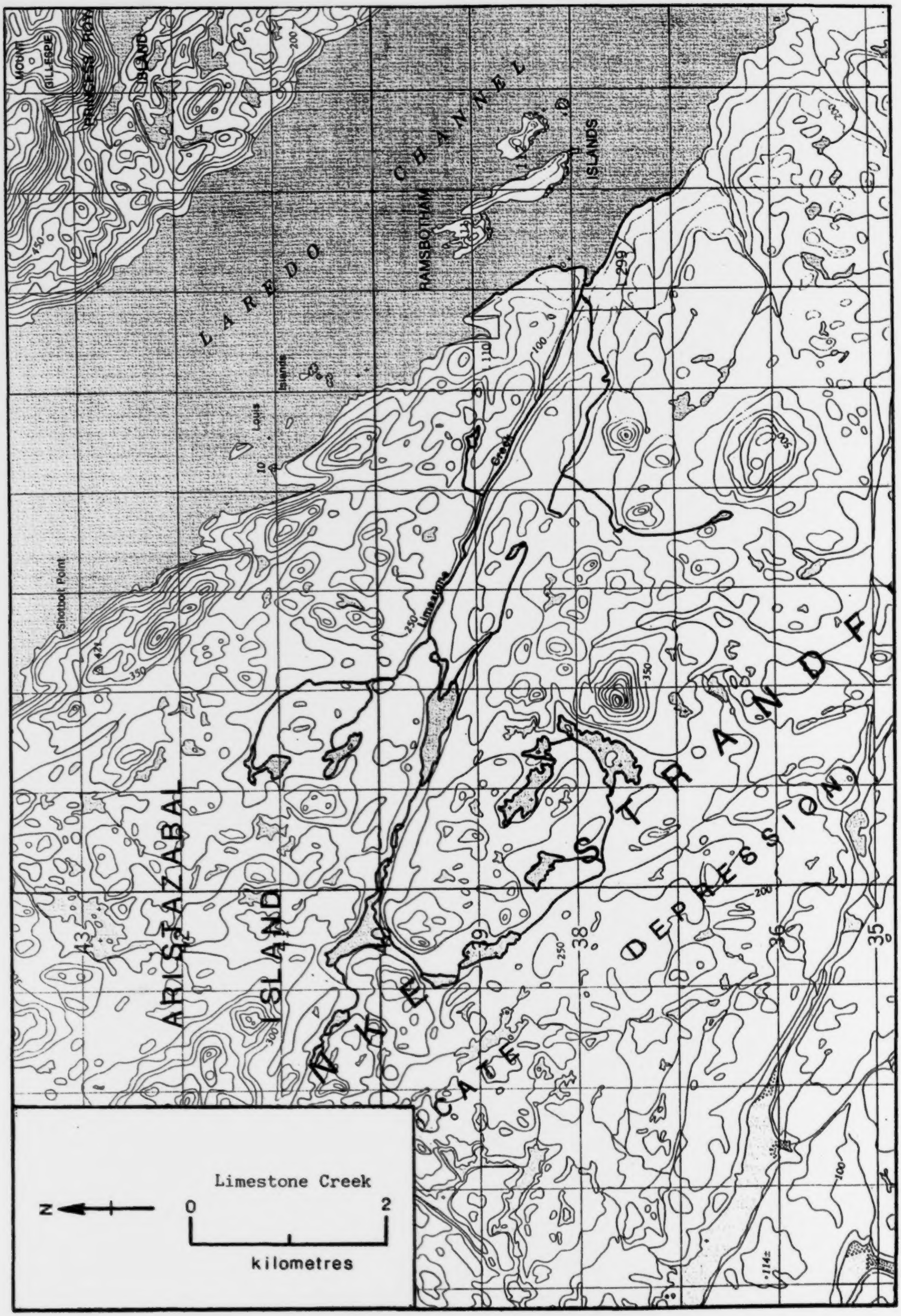
ESCAPEMENT RECORD FOR KWAKWA CREEK

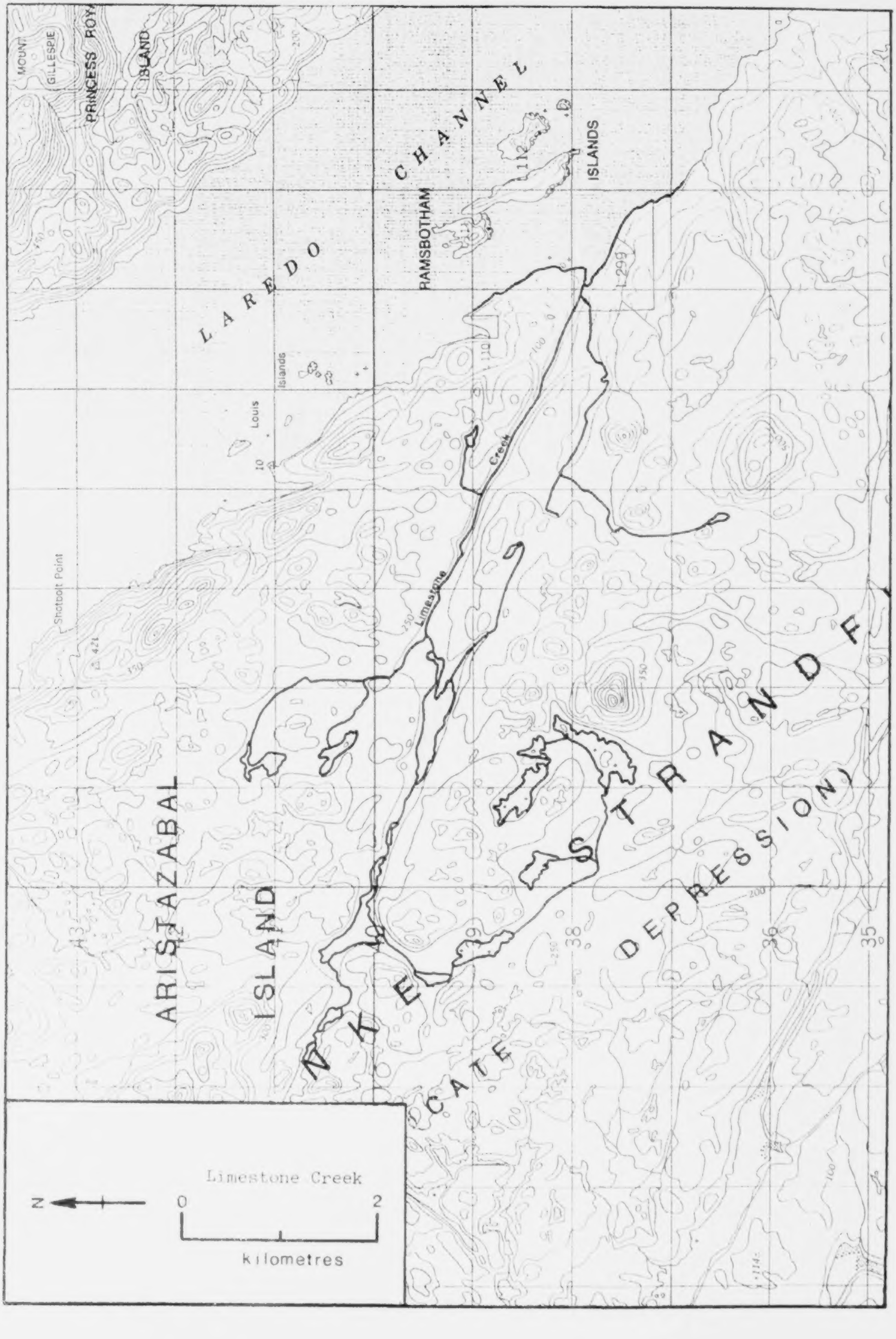
| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | 7500 | | 7500 | 750 | 75 | |
| 48 | | | 3500 | | 75 | |
| 49 | 7500 | | 3500 | 200 | 75 | |
| 50 | 15000 | | 750 | 400 | 400 | |
| 51 | 6000 | | 2500 | 400 | 75 | |
| 52 | | | | | 400 | |
| 53 | 3500 | | 1500 | 200 | 200 | |
| 54 | 3500 | | 1500 | 400 | 400 | |
| 55 | 3500 | | 1500 | 75 | 400 | |
| 56 | 1500 | | 1500 | 200 | 400 | |
| 57 | 750 | | 1500 | 750 | N/O | |
| 58 | 1500 | | 200 | 400 | 200 | |
| 59 | 7500 | | 25 | 25 | 25 | |
| 60 | 3500 | | 200 | 200 | 200 | |
| 61 | 750 | | 200 | 200 | 750 | |
| 62 | 3500 | | N/O | 25 | 400 | |
| 63 | 7500 | | 200 | 75 | 1500 | |
| 64 | 3500 | | 200 | 400 | 200 | |
| 65 | UNK | | UNK | 200 | 400 | |
| 66 | 10000 | | 400 | N/O | N/O | |
| 67 | 7500 | | 400 | 25 | N/O | |
| 68 | 3500 | | 750 | 400 | 1500 | |
| 69 | N/O | | N/O | N/O | N/O | |
| 70 | 750 | | N/O | N/O | N/O | |
| 71 | 200 | | N/O | N/O | N/O | |
| 72 | 25 | | N/O | N/O | N/O | |
| 73 | N/O | | N/O | N/O | N/O | |
| 74 | 1000 | | N/O | N/O | N/O | |
| 75 | 1000 | | 150 | | | |
| 76 | 1000 | | 150 | 12 | 250 | |
| 77 | 500 | | 100 | | | |
| 78 | 500 | | 200 | N/O | N/O | |
| 79 | 1000 | | 1500 | 20 | N/O | |
| 80 | 1000 | | 200 | N/O | N/O | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | M. JULY | | SEPT | | | |
| START | L. AUG | | L. OCT | | | |
| PEAK | M. SEPT | | E. NOV | | | |
| END | E. OCT | | DEC | | | |

REMARKS


MOUNT GILLESPIE
PRINCESS ROYAL ISLAND
LAREDO CHANNEL
RAMSBOTHAM ISLANDS
Louis Islands
Shotbolt Point
Limestone Creek
ARISTAZABAL ISLAND
HECATE STRANDF
DEPRESSION
450
200
421
350
250
300
110
100
299
500
200
250
100
114±
10
43
42
41
40
39
38
36
35
Limestone Creek
N
0
2
kilometres


MOUNT GILLESPIE
PRINCESS ROY
ISLAND
LAREDO CHANNEL
RAMSBOTHAM
ISLANDS
Louis Islands
Shotbolt Point
Limestone Creek
ARISTAZABAL ISLAND
CATE
DEPRESSION)
NKE STRAND F
L299
421
350
250
200
100
43
42
41
40
39
38
36
35
Limestone Creek
N
0
2
kilometres

NAME OF STREAM (Limestone Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows SE. into Laredo Chan., Rge. 4, Coast Dist.

POSITION 52° 45' 129°05' NW.

LENGTH 5.0 to lake km WIDTH m DRAINAGE $km^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA $m^2$ SPAWNING AREA $m^2$

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - lake outlet and tributaries |
| CHINOOK | |
| COHO | - lake outlet and tributaries |
| CHUM | - lower portion of river |
| PINK (ODD YEAR) | - from 1.0 km to lake |
| PINK (EVEN YEAR) | - from 1.0 km to lake |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1951. Surprisingly good escapement inspite of summer drought conditions

-1958. Cleared windfall located 3.2 km upstream from the mouth

-1961. Cleared windfall logs blown down in 1960 and 1961

-1962. Water was turbid as in 1961

-1965, 1966. Surveyed passable log jams

-1967. Good spawning conditions in tributary streams

-1968. A mining company has located at the mouth of this stream. No problems are envisioned if stream is adequately patrolled

-1969. Seasonal inspection noted prolonged spawning season

-1971. Late spawning of pinks, chums, and coho. Excellent pink seeding. Stream is vulnerable to seine fishery conducted at its mouth

GENERAL REMARKS (cont'd) Limestone Creek

-1978, 1980. Flooding may have caused some scouring and erosion to the system
- Rocky stream bed
- Subject to seasonal fluctuations in water levels
- Limited predation by birds

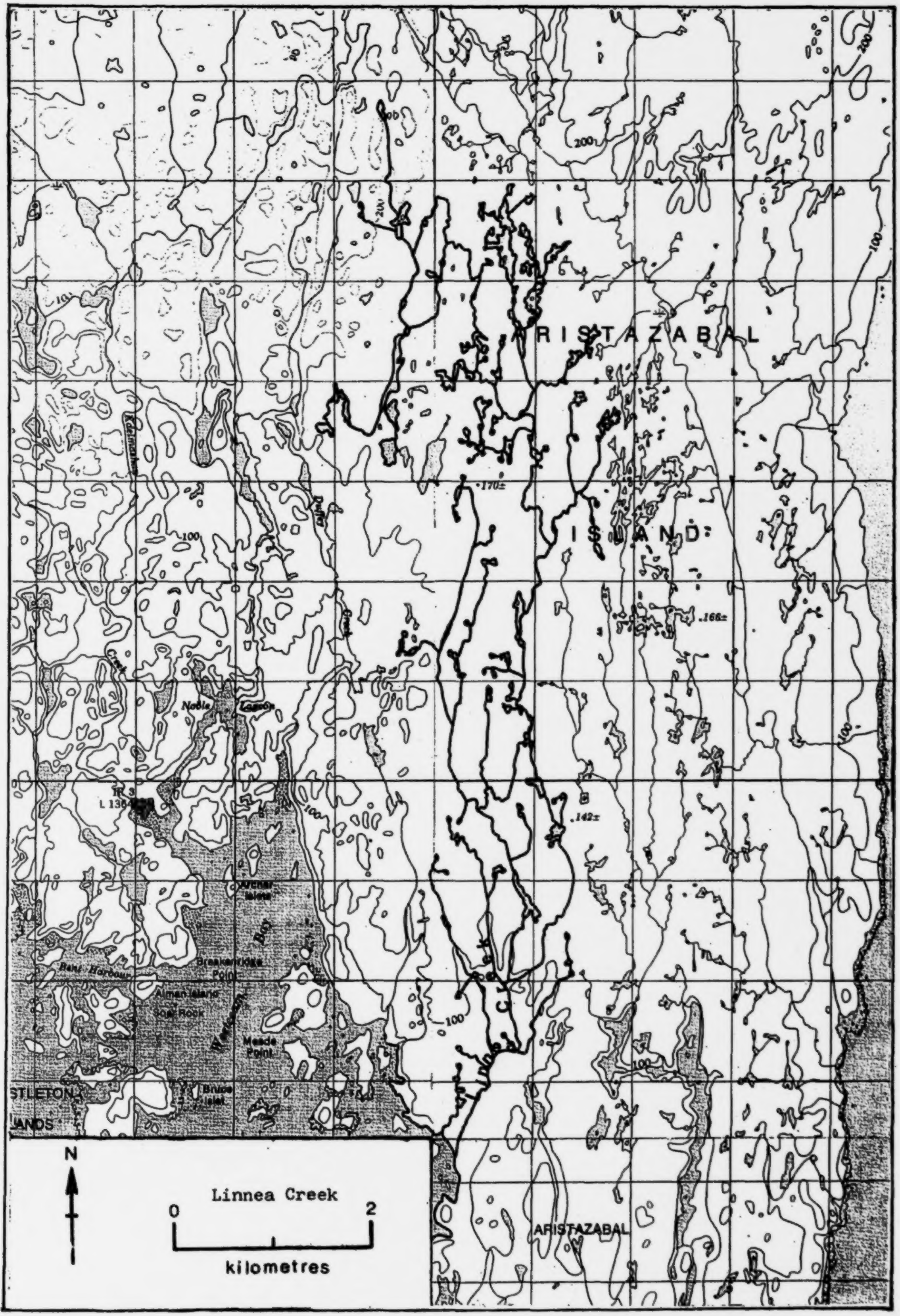
ESCAPEMENT RECORD FOR (Limestone Creek)

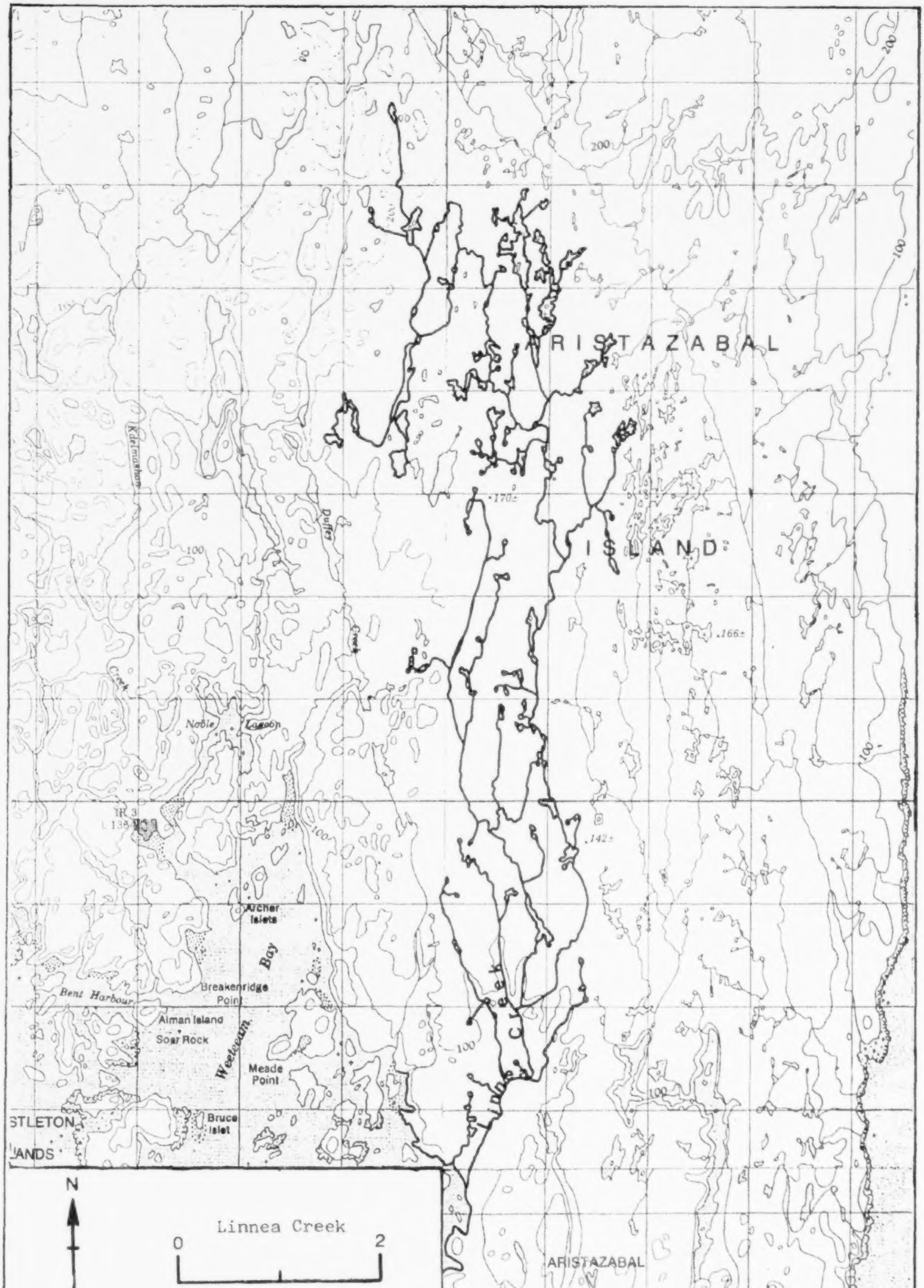
| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 1500 | 7500 | 3500 | |
| 48 | | | 750 | | 750 | |
| 49 | | | 400 | 750 | 400 | |
| 50 | | | 75 | 750 | 750 | |
| 51 | | | 800 | 4000 | 1200 | |
| 52 | | | | | 3500 | |
| 53 | | | 750 | 1500 | 750 | |
| 54 | | | 400 | 3500 | 750 | |
| 55 | | | 1500 | 1500 | 1500 | |
| 56 | | | 1500 | 750 | 3500 | |
| 57 | | | 1500 | 1500 | 750 | |
| 58 | | | 750 | 3500 | 7500 | |
| 59 | | | 750 | 400 | 3500 | |
| 60 | | | 750 | 1500 | 3500 | |
| 61 | | | 1500 | 750 | 3500 | |
| 62 | | | 3500 | 750 | 7500 | |
| 63 | | | 750 | 400 | 400 | |
| 64 | | | 1500 | 400 | 3500 | |
| 65 | | | 1500 | 1500 | 400 | |
| 66 | | | N/O | N/O | 20000 | |
| 67 | | | 200 | 1500 | 7500 | |
| 68 | | | 400 | 3500 | 15000 | |
| 69 | 300 | | 200 | 600 | 4000 | |
| 70 | 400 | | 200 | 750 | 7500 | |
| 71 | 200 | | 400 | 400 | 20000 | |
| 72 | 300 | | 450 | N/O | 9000 | |
| 73 | 6000 | | 300 | 1000 | 17000 | |
| 74 | 1000 | | 350 | 250 | 12000 | |
| 75 | 500 | | 300 | N/O | 10000 | |
| 76 | 200 | | 300 | 350 | 25000 | |
| 77 | UNK | | 50 | 500 | 10000 | |
| 78 | 1500 | | 400 | 200 | 9000 | |
| 79 | 500 | | 300 | 300 | 30000 | |
| 80 | 20 | | 20 | N/O | 5000 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | M. AUG | | E. SEPT | M. SEPT | E. SEPT | |
| START | M. SEPT | | L. SEPT | M. SEPT | M. SEPT | |
| PEAK | E. OCT | | OCT | L. SEPT | L. SEPT | |
| END | M. OCT | | NOV | OCT | OCT | |

REMARKS


ARISTAZABAL
ISLAND
.170±
.168±
.142±
200
100
Noble
Lagoon
Creek
IR 3
L 1364
Archer Islets
Bay
Breaker Ridge Point
Alman Island
Seal Rock
Meade Point
Bruce Islet
STLETON
ANDS
ARISTAZABAL
N
Linnea Creek
0
2
kilometres


200
200
200
100
ARISTAZABAL
ISLAND
.170±
.166±
.142±
Kdelmashan
Creek
Duffey
Creek
100
Noble
Lagoon
IR 3
100
100
Archer
Islets
Bay
Weeteeam
Bent Harbour
Breakenridge
Point
Alman Island
Soar Rock
Meade
Point
Linnea Creek
100
100
STLETON
ANDS
Bruce
Islet
ARISTAZABAL
N
Linnea Creek
0
2
kilometres

NAME OF STREAM (Linnea Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Hecate Strait south of Weeteeam Bay, Rge. 3, Coast Dist. POSITION

LENGTH 6.4 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

| PERCENT GRADIENT | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - to lake and above |
| CHUM | - to lake |
| PINK (ODD YEAR) | - near stream mouth |
| PINK (EVEN YEAR) | - near stream mouth |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

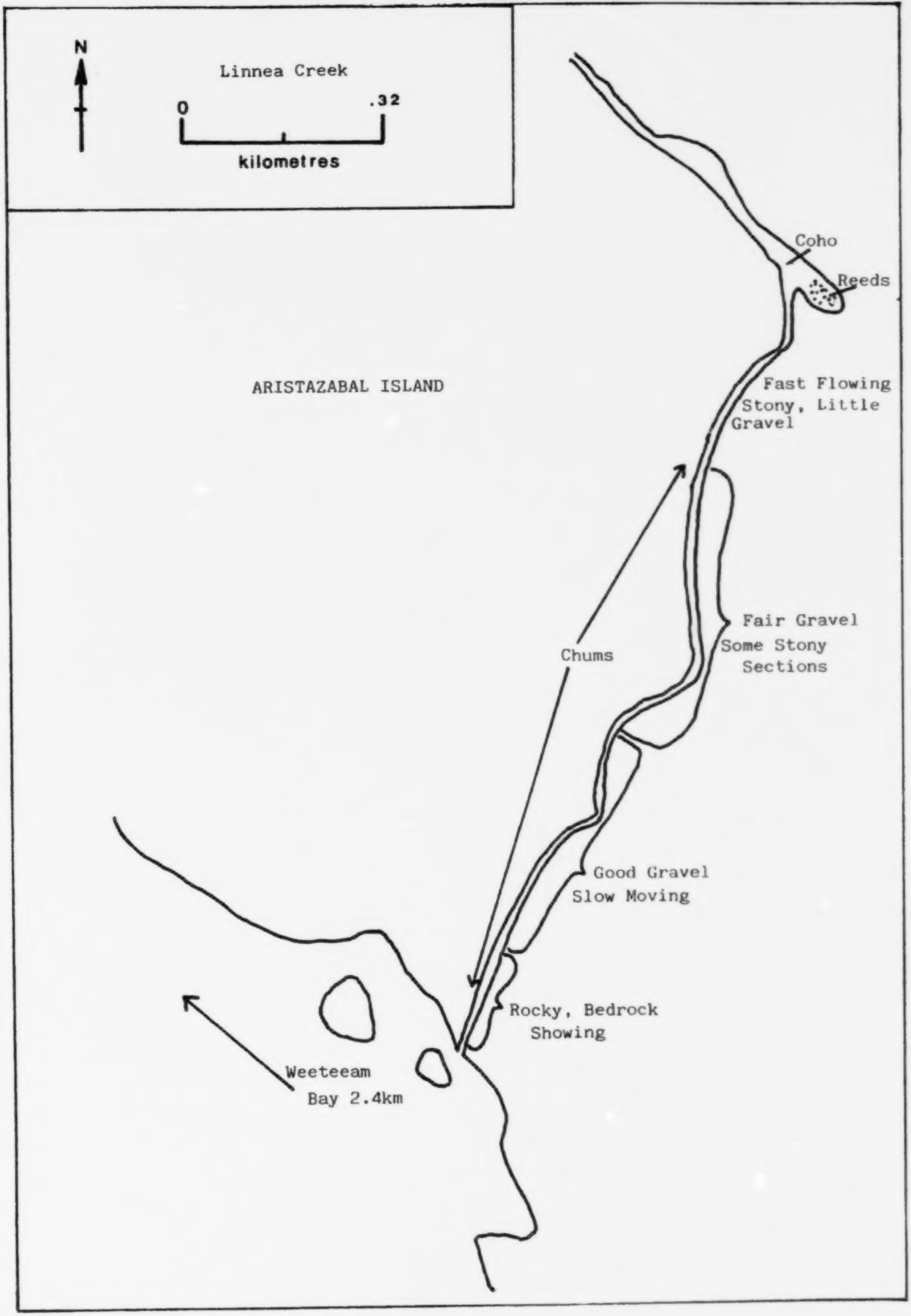
GENERAL REMARKS

-1964. Late spawning reported (Oct. - Nov.)

-1967. Poor spawning first 0.08 km, improves after that. Stable stream bed

-1974, 1978, 1980. Possible scouring and erosion to system caused by floods

- Subject to seasonal fluctuations in water levels
- Limited predation


N
Linnea Creek
0
.32
kilometres
ARISTAZABAL ISLAND
Coho
Reeds
Fast Flowing
Stony, Little
Gravel
Fair Gravel
Some Stony
Sections
Chums
Good Gravel
Slow Moving
Rocky, Bedrock
Showing
Weeteeam
Bay 2.4km

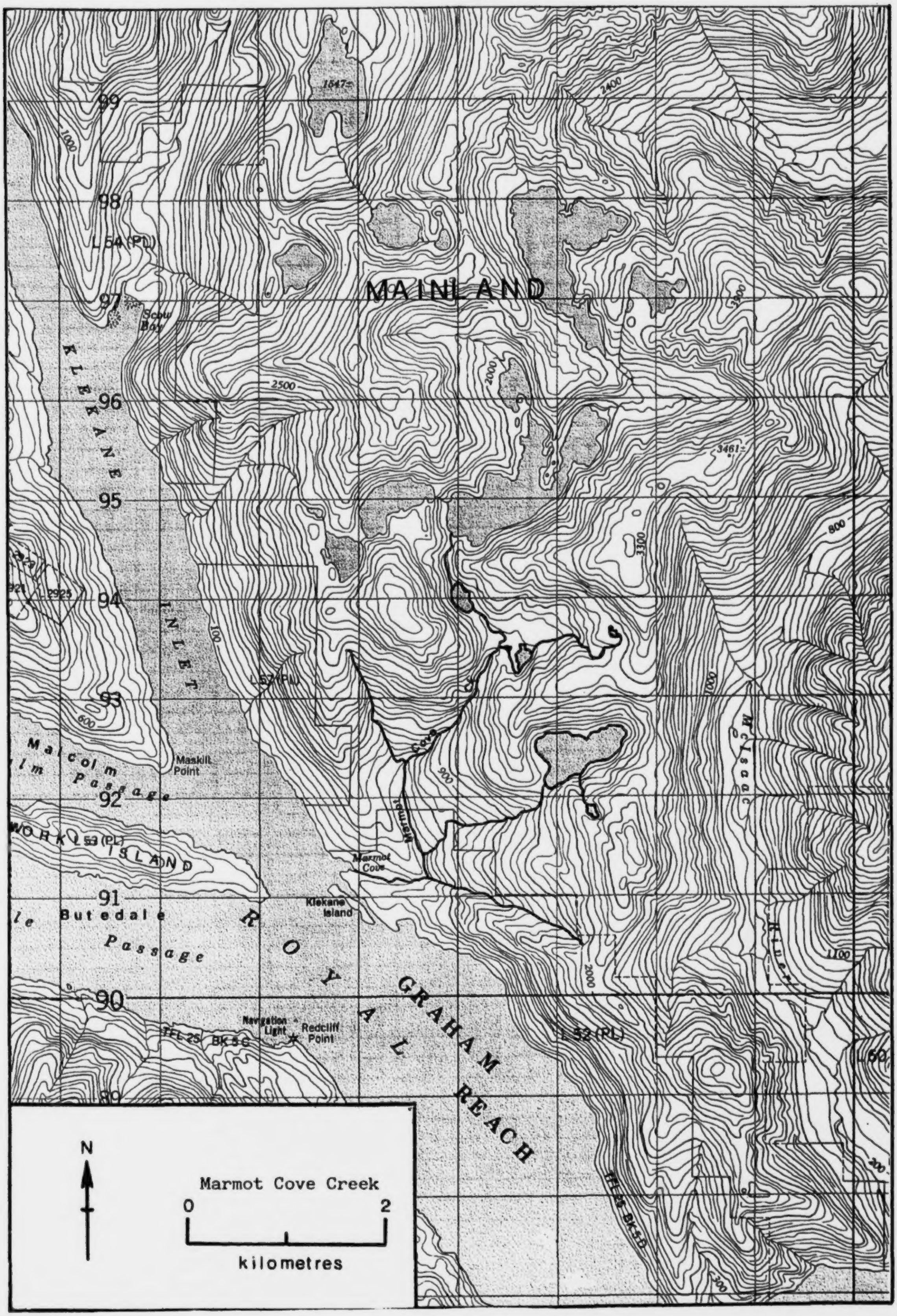
ESCAPEMENT RECORD FOR (Linnea Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 1500 | 7500 | 400 | |
| 48 | | | 750 | | 3500 | |
| 49 | | | 1500 | 3500 | 1500 | |
| 50 | | | 75 | 3500 | 400 | |
| 51 | | | 1000 | 1300 | 600 | |
| 52 | | | | | 1500 | |
| 53 | | | 750 | 1500 | 200 | |
| 54 | | | 750 | 3500 | 400 | |
| 55 | | | 1500 | 1500 | 400 | |
| 56 | | | 1500 | 750 | 3500 | |
| 57 | | | 750 | 1500 | 400 | |
| 58 | | | 750 | 3500 | 750 | |
| 59 | | | 750 | 75 | 400 | |
| 60 | | | 200 | 1500 | 750 | |
| 61 | | | 750 | 750 | 400 | |
| 62 | | | 200 | 400 | 750 | |
| 63 | | | 200 | 200 | 400 | |
| 64 | | | NOT | INSPECTED | | |
| 65 | | | 750 | 1500 | 1500 | |
| 66 | | | N/O | 600 | N/O | |
| 67 | | | 25 | 1500 | N/O | |
| 68 | | | 200 | 1500 | N/O | |
| 69 | | | 150 | 1300 | N/O | |
| 70 | | | N/O | 750 | N/O | |
| 71 | | | 25 | 75 | N/O | |
| 72 | | | 450 | 50 | | |
| 73 | | | N/O | 200 | N/O | |
| 74 | | | N/O | 30 | N/O | |
| 75 | | | 125 | 340 | N/O | |
| 76 | | | 200 | 2200 | 100 | |
| 77 | | | 20 | 502 | 50 | |
| 78 | | | N/O | 1000 | 75 | |
| 79 | | | N/O | 2500 | N/O | |
| 80 | | | N/O | 500 | N/O | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | E. SEPT | E. SEPT | | |
| START | | | L. OCT | M. SEPT | | |
| PEAK | | | E. NOV | L. SEPT | | |
| END | | | DEC | OCT | | |

REMARKS


MAINLAND
KLEKANE INLET
Scow Bay
L54 (PL)
L57 (PL)
L53 (PL)
L52 (PL)
L60
Maskill Point
Malcolm Passage
WORK ISLAND
Marmot Cove
Marmot
Klekane Island
Butedale Passage
ROYAL
GRAHAM REACH
Navigation Light
Redcliff Point
TFL 25 BK 5 C
TFL 25 BK 5 D
McIsaac River
1547
2400
1000
2500
2000
3800
3461
3300
800
100
600
900
1100
200
300
2925
99
98
97
96
95
94
93
92
91
90
N
Marmot Cove Creek
0
2
kilometres

NAME OF STREAM (Marmot Cove Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Klekane Inlet, Rge. 4, Coast Dist.

POSITION 53°10'N 128°40'W

LENGTH 4.8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 3.0 km

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - to falls |
| CHUM | - to 1.0 km |
| PINK (ODD YEAR) | - to 1.0 km |
| PINK (EVEN YEAR) | - to 1.0 km |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1957. Surveyed log windfall debris

-1958. Cleared log debris

-1964. Stock fished heavily beyond protection boundaries

-1978, 1980. Possible scouring and erosion to system resulting from floods

-1980. Recommended clearing log jams to improve spawning habitat

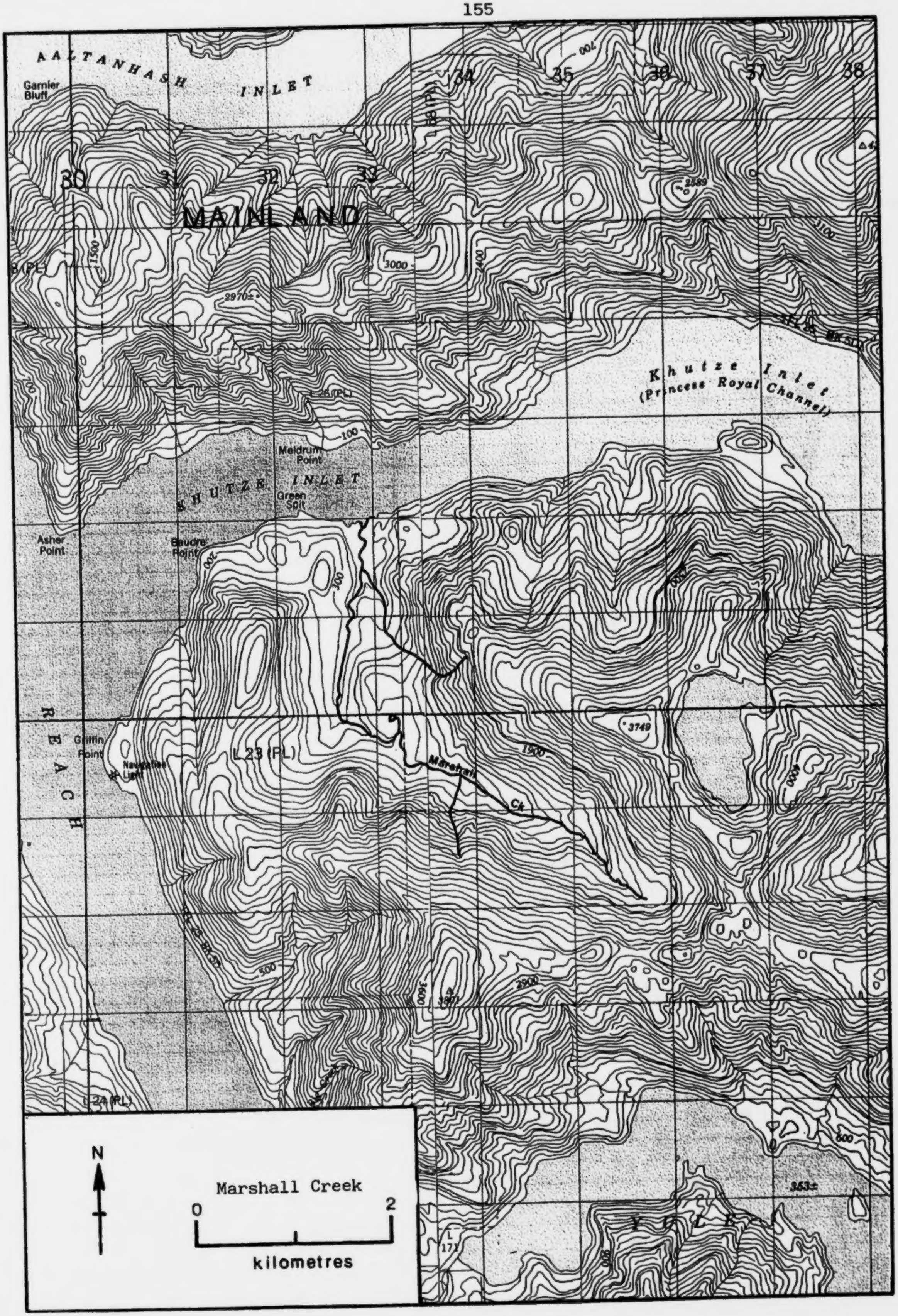
- Small stream, heavily treed, good gravel
- Numerous passable log jams resulting from windfalls
- Subject to seasonal fluctuations in water levels
- Predation by bears and birds

ESCAPEMENT RECORD FOR (Marmot Cove Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | | | | |
| 48 | | | | | | |
| 49 | | | | | | |
| 50 | | | | | | |
| 51 | | | | | | |
| 52 | | | NO RECORD PRIOR TO 1957 | | | |
| 53 | | | | | | |
| 54 | | | | | | |
| 55 | | | | | | |
| 56 | | | | | | |
| 57 | | | | 750 | 400 | |
| 58 | | | | 3500 | 3500 | |
| 59 | | | 200 | 1500 | 3500 | |
| 60 | | | 400 | 1500 | 15000 | |
| 61 | | | 200 | 750 | 3500 | |
| 62 | | | 200 | 3500 | 15000 | |
| 63 | | | 3500 | 7500 | 7500 | |
| 64 | | | 25 | 1500 | 7500 | |
| 65 | | | 200 | 3500 | 3500 | |
| 66 | | | N/O | 150 | 500 | |
| 67 | | | 75 | 750 | N/O | |
| 68 | | | N/O | 750 | 1500 | |
| 69 | | | N/O | 6 | N/O | |
| 70 | | | N/O | 200 | 400 | |
| 71 | | | N/O | 25 | 750 | |
| 72 | | | N/O | 25 | 400 | |
| 73 | | | N/O | 100 | 400 | |
| 74 | | | N/O | 1000 | 350 | |
| 75 | | | | 100 | 300 | |
| 76 | | | | 20 | 300 | |
| 77 | | | | 15 | 15 | |
| 78 | | | | 150 | 350 | |
| 79 | | | | 75 | 750 | |
| 80 | | | | 150 | 1100 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

| TIMING | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | E. SEPT | E. SEPT | |
| START | | | | E. SEPT | E. SEPT | |
| PEAK | | | | M. SEPT | M. SEPT | |
| END | | | | L. SEPT | L. SEPT | |

REMARKS


AALTANHASH INLET
Garnier Bluff
30
31
32
33
34
35
36
37
38
MAINLAND
3000
2970±
2589
3100
2400
1500
L 26 (PL)
100
Khutze Inlet
(Princess Royal Channel)
Meldrum Point
KHUTZE INLET
Green Spit
Asher Point
Baudre Point
300
3749
1900
REACH
Griffin Point
Navigation Light
L 23 (PL)
Marshall Ck
500
2900
3600
L 24 (PL)
600
353±
L 171
N
Marshall Creek
0
2
kilometres

NAME OF STREAM (Marshall Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows N. into Khutze Inlet. Rge. 4. Coast Dist.

POSITION 53°05'N 128°35'W

LENGTH 2.5 km WIDTH m DRAINAGE km$^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m$^2$ SPAWNING AREA m$^2$

DISCHARGE (m$^3$/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 1.5 km

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - near mouth |
| CHUM | - near mouth |
| PINK (ODD YEAR) | - near mouth |
| PINK (EVEN YEAR) | - near mouth |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1950. Muddy water hampered inspection

-1955. Log jam observed 0.8 km from mouth

-1957. Chum production quite good considering size of stream

-1957-1975. Log debris removed as required to improve fish passage

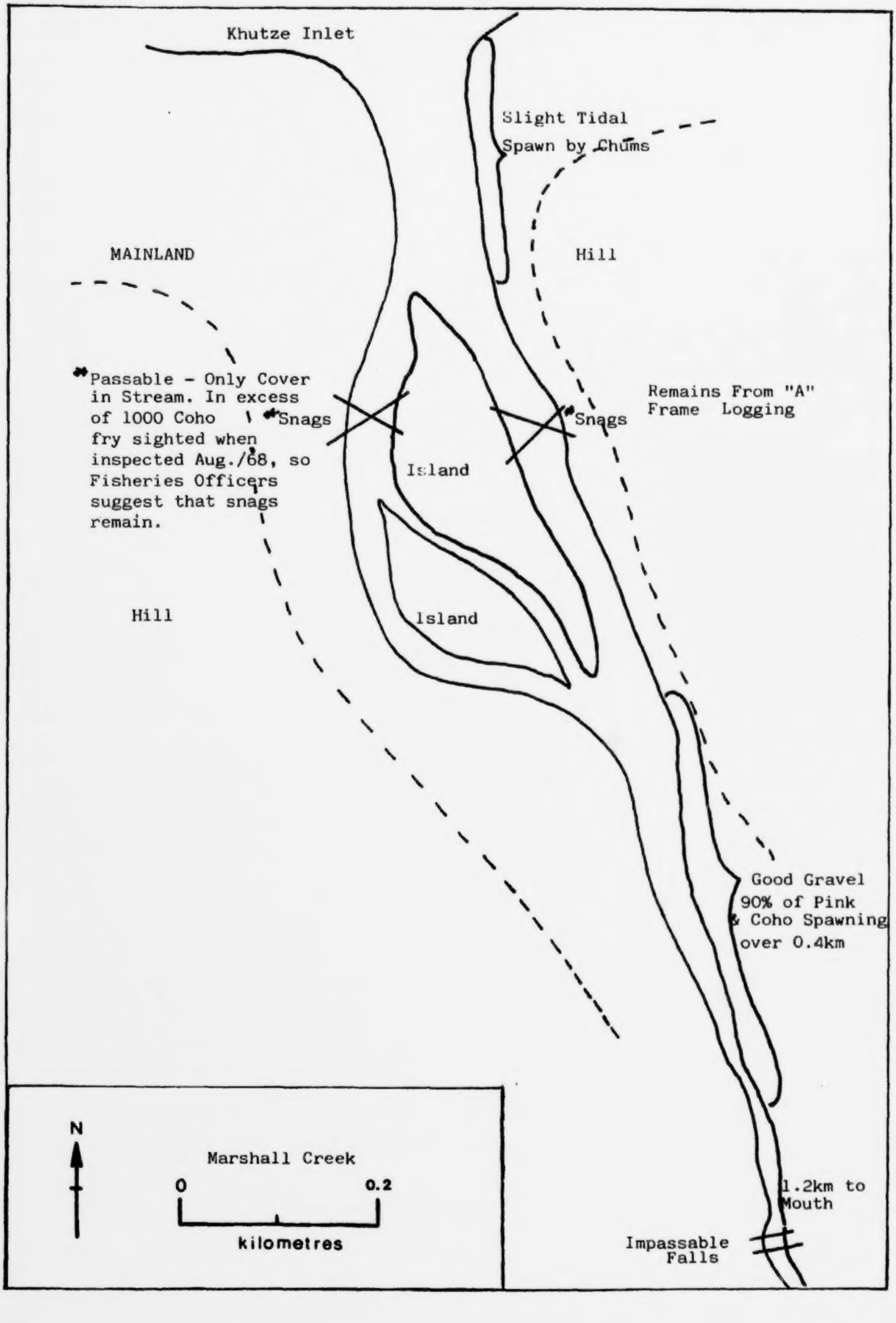
-1966. Some evidence of late spawning pinks digging up previous spawn in crowded areas

-1969. Good spawning area for 1.6 km from mouth

-1970. Good escapement of pinks

-1978, 1980. Some scouring and erosion caused by winter floods

- Subject to seasonal fluctuations in water levels
- Some predation by bears and birds


Khutze Inlet
Slight Tidal
Spawn by Chums
MAINLAND
Hill
*Passable - Only Cover in Stream. In excess of 1000 Coho fry sighted when inspected Aug./68, so Fisheries Officers suggest that snags remain.
*Snags
*Snags
Remains From "A" Frame Logging
Island
Island
Hill
Good Gravel
90% of Pink & Coho Spawning over 0.4km
1.2km to Mouth
Impassable Falls
N
Marshall Creek
0
0.2
kilometres

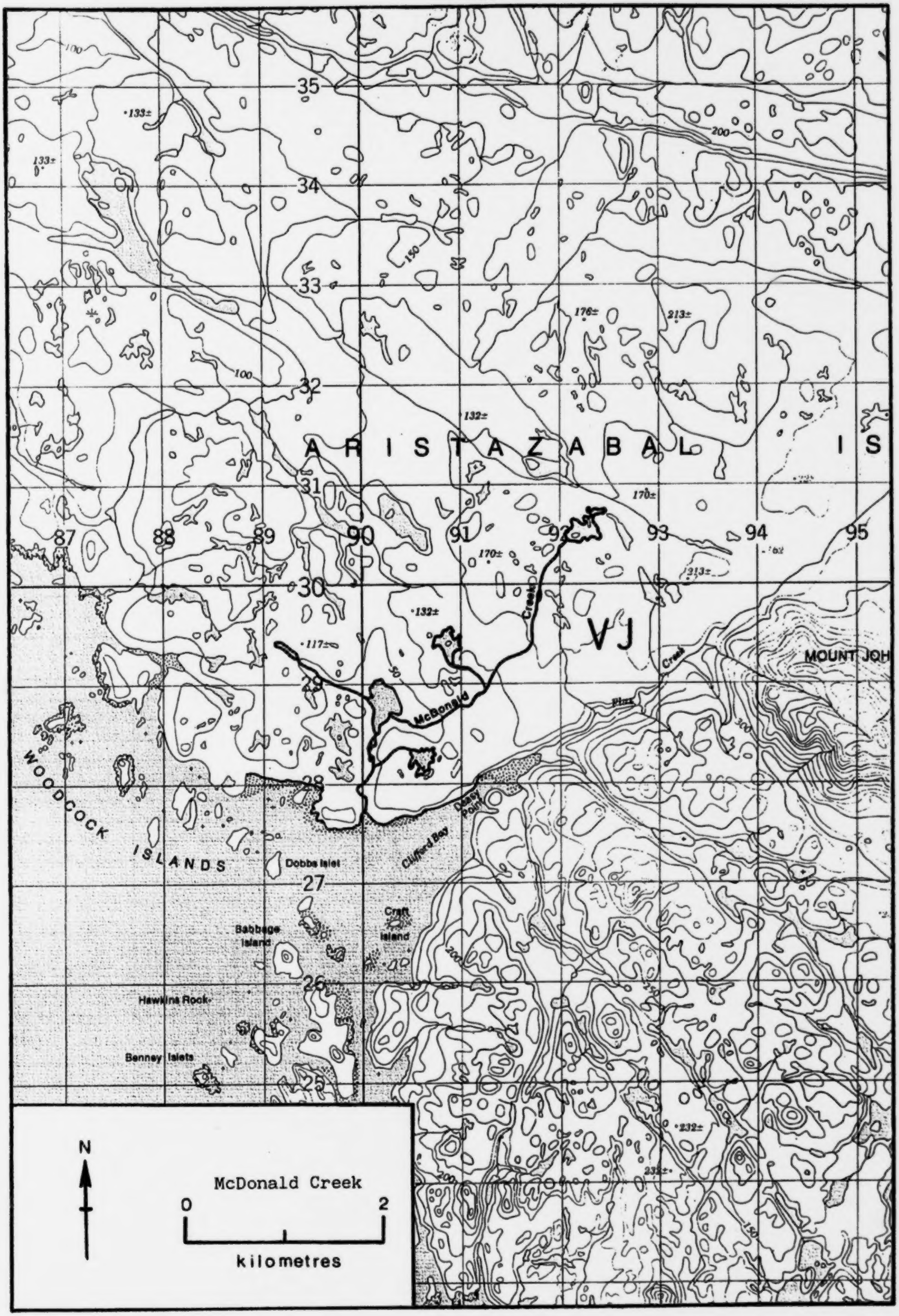
ESCAPEMENT RECORD FOR (Marshall Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | | 200 | 200 | |
| 48 | | | | | 750 | |
| 49 | | | | 200 | 400 | |
| 50 | | | | 75 | 400 | |
| 51 | | | | 400 | 350 | |
| 52 | | | | | 750 | |
| 53 | | | | 750 | 1500 | |
| 54 | | | | 750 | 200 | |
| 55 | | | UNK | 400 | 1500 | |
| 56 | | | | 750 | 750 | |
| 57 | | | | 750 | 25 | |
| 58 | | | | 750 | 750 | |
| 59 | | | 25 | 200 | 75 | |
| 60 | | | | 1500 | 3500 | |
| 61 | | | 25 | 1500 | 3500 | |
| 62 | | | 25 | 750 | UNK | |
| 63 | | | NOT | INSPECTED | | |
| 64 | | | 25 | 1500 | 3500 | |
| 65 | | | NOT | INSPECTED | | |
| 66 | | | N/O | 100 | 1200 | |
| 67 | | | 200 | 750 | 400 | |
| 68 | | | N/O | 25 | 200 | |
| 69 | | | N/O | 25 | N/O | |
| 70 | | | N/O | 200 | 3500 | |
| 71 | | | 75 | 25 | 200 | |
| 72 | | | N/O | N/O | 1500 | |
| 73 | | | N/O | 50 | 600 | |
| 74 | | | N/O | 700 | 600 | |
| 75 | | | | 40 | 60 | |
| 76 | | | | | N/O | |
| 77 | | | | 1 | | |
| 78 | | | | 25 | 25 | |
| 79 | | | N/O | N/O | N/O | |
| 80 | | | | | 20 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | E. SEPT | E. SEPT | |
| START | | | | E. SEPT | M. SEPT | |
| PEAK | | | | L. SEPT | L. SEPT | |
| END | | | | E. OCT | L. SEPT | |

REMARKS


35
34
33
32
31
30
29
28
27
26
25
87
88
89
90
91
92
93
94
95
100
133±
150
200
176±
213±
132±
170±
117±
300
232±
A R I S T A Z A B A L   I S
VJ
MOUNT JOH
McDonald
Creek
Flax
Creek
Clifford Bay
Dacey Point
WOODCOCK ISLANDS
Dobbs Islet
Craft Island
Babbage Island
Hawkins Rock
Benney Islets
N
McDonald Creek
0
2
kilometres

NAME OF STREAM (McDonald Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Clifford Bay, west coast of Aristazabal Is., Rge. 3, Coast Dist. POSITION 52°40'N 129°12'W

LENGTH 4.8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

| PERCENT GRADIENT | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

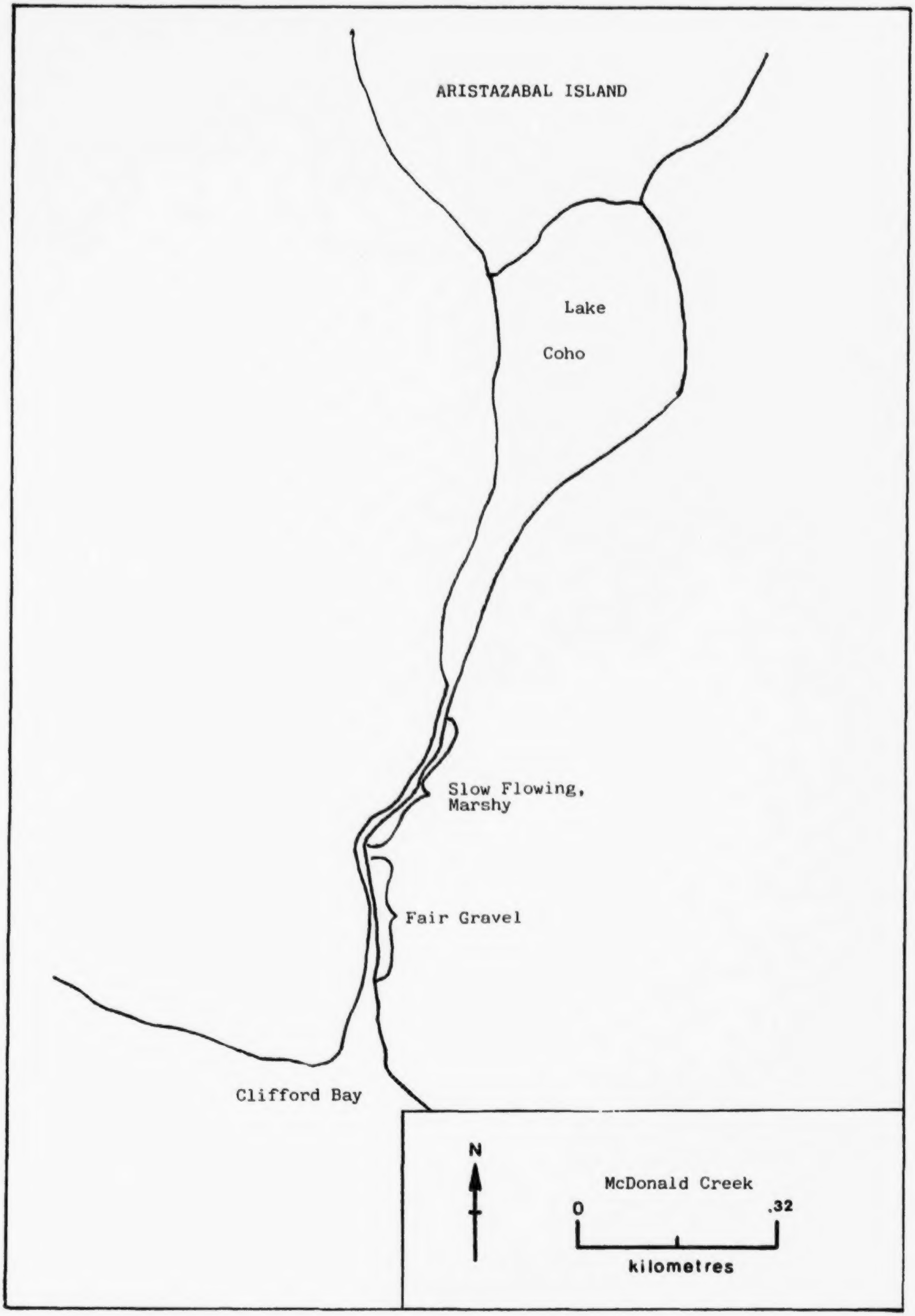
| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - above lake |
| CHINOOK | |
| COHO | - lake outlet and above lake |
| CHUM | - to lake |
| PINK (ODD YEAR) | - to lake |
| PINK (EVEN YEAR) | - to lake |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1966. High and discoloured water made observation difficult. Poor salmon producer for past several years
-1967. Most spawning occurs in tributary streams
-1970. Sockeye still in lake in late September
-1973, 1978. Water conditions made observation difficult
-1978, 1980. Flood conditions in winter

- Minor salmon producer
- Subject to seasonal fluctuations in water levels
- Limited predation


ARISTAZABAL ISLAND
Lake
Coho
Slow Flowing,
Marshy
Fair Gravel
Clifford Bay
N
McDonald Creek
0
.32
kilometres

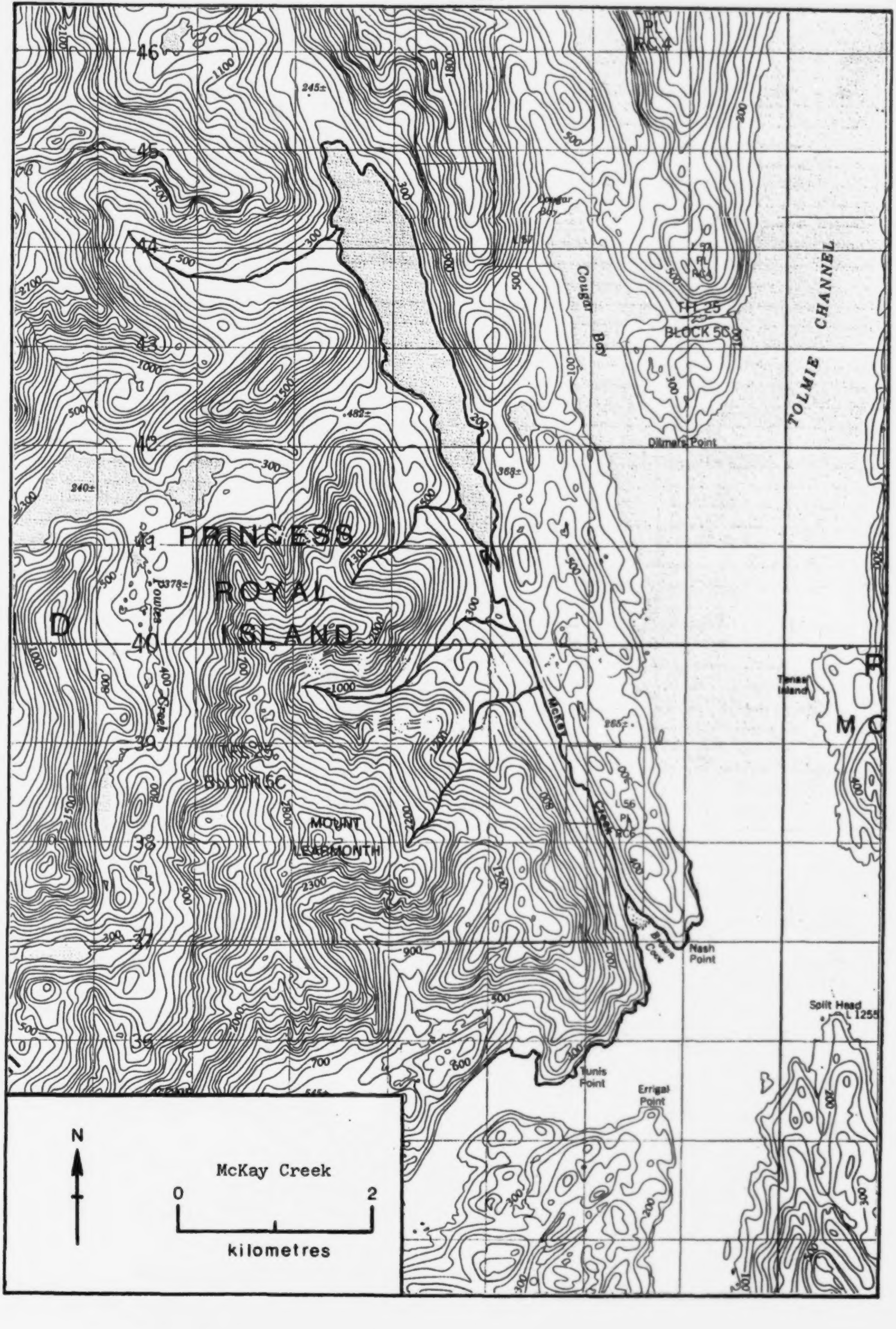
ESCAPEMENT RECORD FOR (McDonald Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | | | | |
| 48 | | | | | | |
| 49 | | | | | | |
| 50 | | | | | | |
| 51 | | | | | | |
| 52 | | | NO RECORD PRIOR TO 1957 | | | |
| 53 | | | | | | |
| 54 | | | | | | |
| 55 | | | | | | |
| 56 | | | | | | |
| 57 | 3500 | | 7500 | 3500 | 750 | |
| 58 | 750 | | 1500 | 3500 | 1500 | |
| 59 | 400 | | 750 | 200 | 400 | |
| 60 | 400 | | 200 | 75 | 1500 | |
| 61 | 400 | | 75 | 200 | 25 | |
| 62 | 750 | | 400 | 200 | 750 | |
| 63 | | | NOT INSPECTED | | | |
| 64 | 25 | | 400 | 75 | 25 | |
| 65 | | | NOT INSPECTED | | | |
| 66 | UNK | | UNK | UNK | UNK | |
| 67 | 400 | | 200 | N/O | N/O | |
| 68 | N/O | | 200 | N/O | N/O | |
| 69 | N/O | | 80 | N/O | N/O | |
| 70 | 200 | | 200 | N/O | N/O | |
| 71 | 200 | | 200 | N/O | N/O | |
| 72 | 200 | | 400 | N/O | N/O | |
| 73 | N/O | | N/O | N/O | N/O | |
| 74 | 250 | | 150 | N/O | N/O | |
| 75 | N/O | | N/O | 3 | N/O | |
| 76 | 400 | | N/O | N/O | 2000 | |
| 77 | 300 | | | | | |
| 78 | 200 | | N/O | 200 | 500 | |
| 79 | 75 | | 75 | N/O | N/O | |
| 80 | N/O | | | N/O | 25 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | AUG | | SEPT | | | |
| START | M. SEPT | | SEPT | | | |
| PEAK | L. SEPT | | OCT | | | |
| END | OCT | | OCT | | | |

REMARKS


PRINCESS
ROYAL
ISLAND
TFL 25
BLOCK 5C
MOUNT
LEARMONTH
TFL 25
BLOCK 56
TOLMIE CHANNEL
Cougar Bay
Dilmers Point
McKay Creek
Fowles Creek
Tenas Island
Nash Point
Tunis Point
Errigal Point
Split Head
L 1255
L 56
PL
RC5
PL
RC4
D
R
MC
46
45
44
43
42
41
40
39
38
37
36
245±
482±
368±
240±
378±
265±
N
McKay Creek
0
2
kilometres

NAME OF STREAM (McKay Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Brown Cove, on SE. coast of Princess Royal Is., Rge. 3, Coast Dist.

POSITION 52°41'N 128°35'W

LENGTH 4.0 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

| PERCENT GRADIENT | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 2.5 km

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - lower reaches |
| CHUM | - lower reaches |
| PINK (ODD YEAR) | - lower reaches |
| PINK (EVEN YEAR) | - lower reaches |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1949. Good spawning substrate

-1951. Upstream migration delayed until September 8th, due to insuffient flow

-1957-1959. Studied feasibility of installing fishway at falls to make the upper watershed accessible to spawning salmon

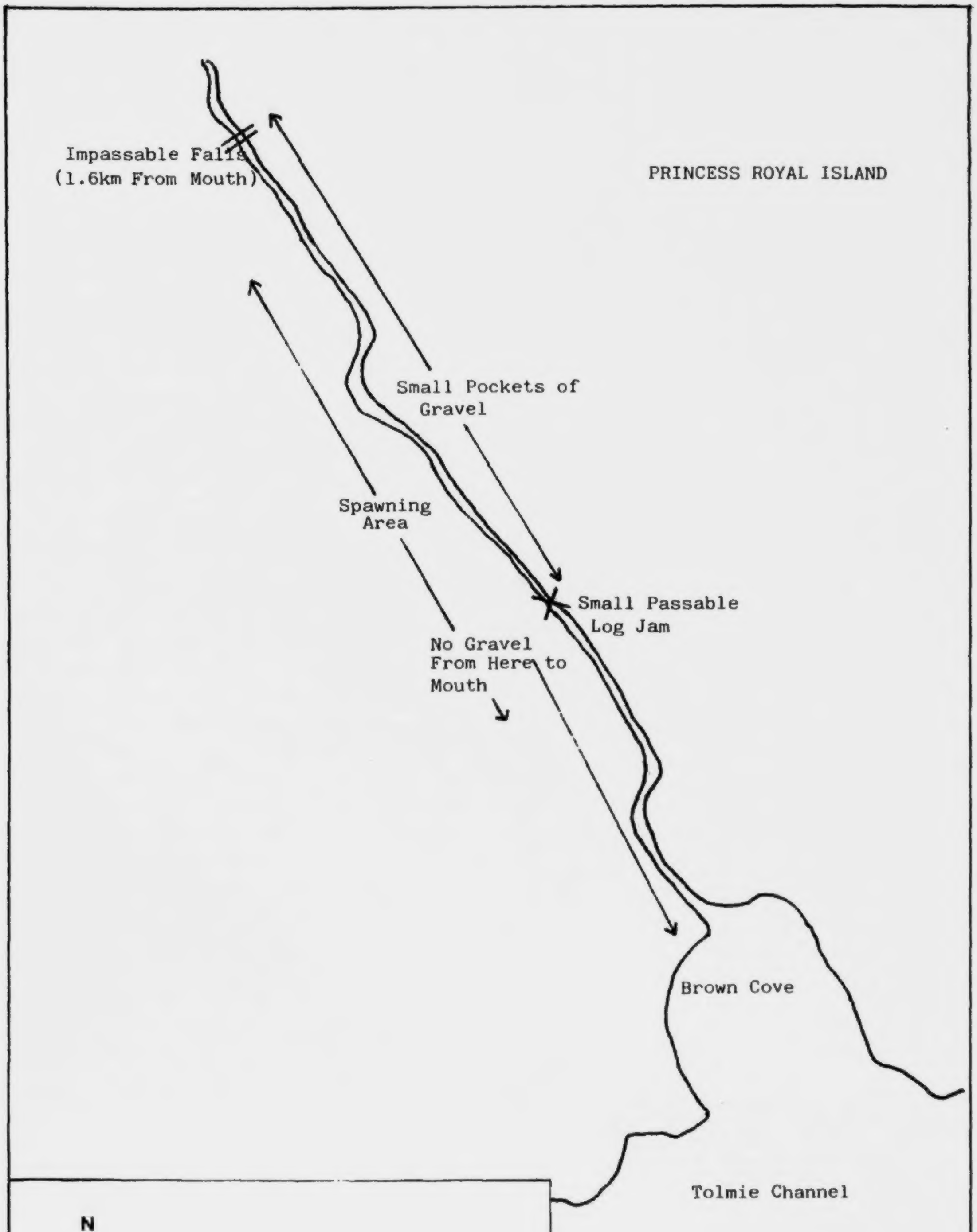
-1960. Good seeding of all species

-1969. Survey revealed no spawning grounds beyond 1.6 km

-1972. Low water levels delayed upstream migration

-1978, 1980. Winter flooding

- Fast water and rocky bottom exist beyond 1.2 km
- Subject to seasonal fluctuations in water levels
- Limited predation

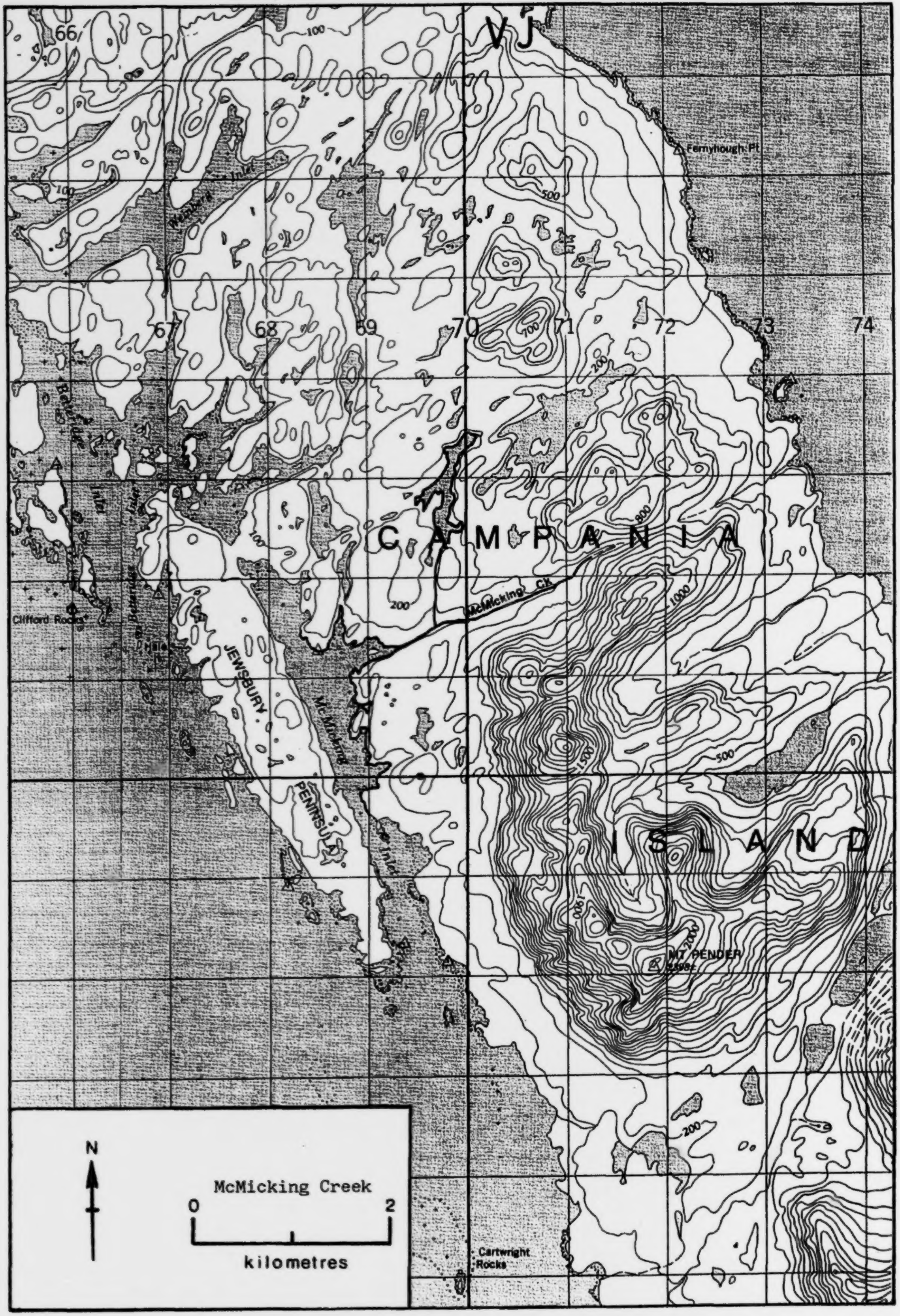

Impassable Falls
(1.6km From Mouth)
PRINCESS ROYAL ISLAND
Small Pockets of
Gravel
Spawning
Area
Small Passable
Log Jam
No Gravel
From Here to
Mouth
Brown Cove
Tolmie Channel
N
McKay Creek
0
.36
kilometres

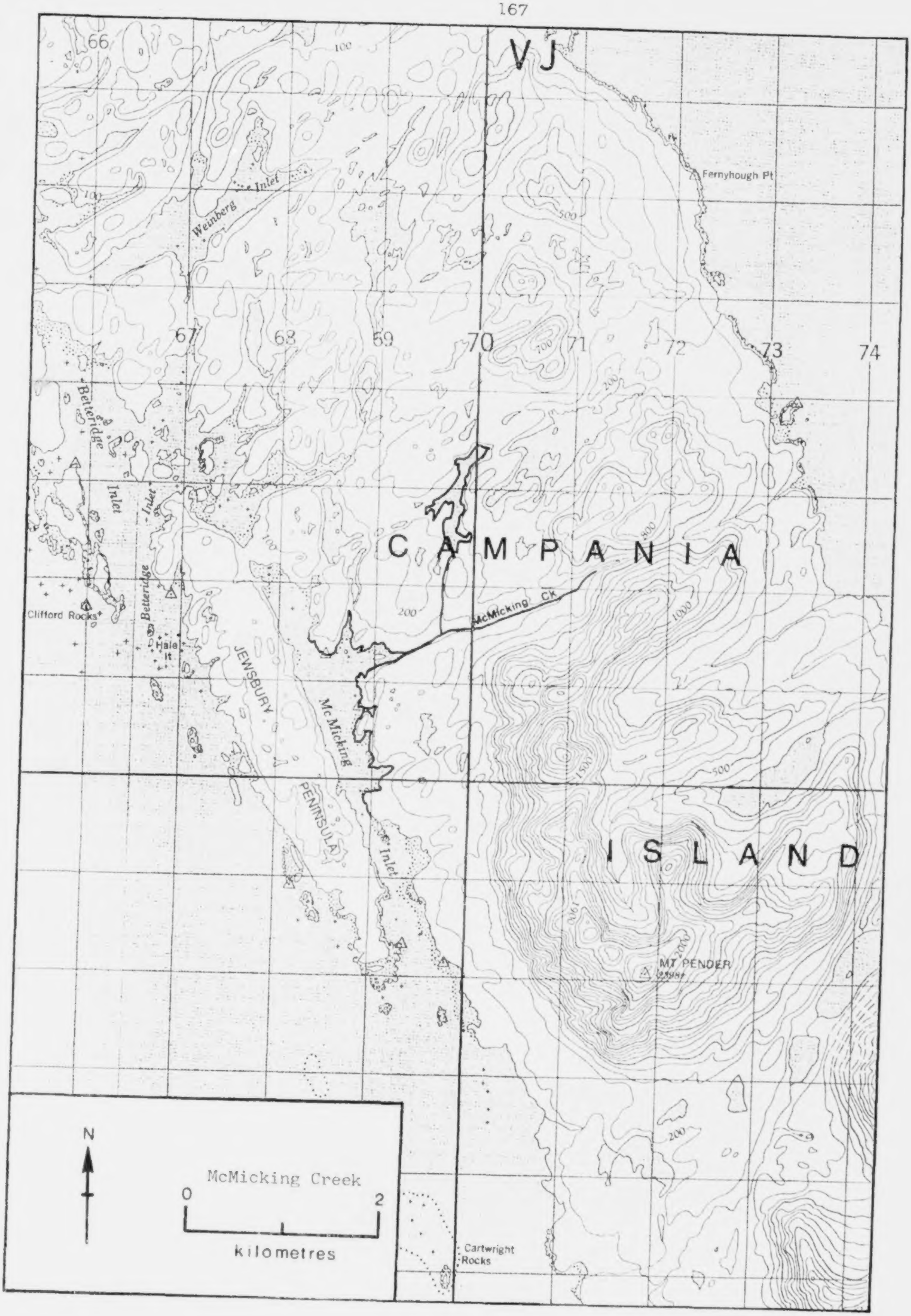
ESCAPEMENT RECORD FOR (McKay Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 750 | 3500 | 750 | |
| 48 | | | 750 | | 1500 | |
| 49 | | | 200 | 1500 | 1500 | |
| 50 | | | 75 | 750 | 400 | |
| 51 | | | 400 | 1300 | 600 | |
| 52 | | | | | 750 | |
| 53 | | | 750 | 3500 | 750 | |
| 54 | | | 750 | 3500 | 750 | |
| 55 | | | 75 | 1500 | 750 | |
| 56 | | | 750 | 7500 | 750 | |
| 57 | | | 750 | 1500 | 75 | |
| 58 | | 25 | 200 | 3500 | 750 | |
| 59 | | 25 | 25 | 75 | 25 | |
| 60 | | | 750 | 7500 | 750 | |
| 61 | | | 200 | 25 | 400 | |
| 62 | | | 25 | 3500 | 3500 | |
| 63 | | 25 | 750 | 3500 | 400 | |
| 64 | | 25 | 75 | 7500 | 200 | |
| 65 | | | NOT | INSPECTED | | |
| 66 | | N/O | N/O | 3000 | 500 | |
| 67 | | | N/O | 1500 | N/O | |
| 68 | | | N/O | 3500 | 1500 | |
| 69 | | | N/O | 75 | N/O | |
| 70 | | | N/O | 3500 | 400 | |
| 71 | | | N/O | 1500 | N/O | |
| 72 | | | N/O | 3500 | 750 | |
| 73 | | | N/O | 1500 | N/O | |
| 74 | | | 50 | 1000 | 500 | |
| 75 | | | | | 100 | |
| 76 | | | 12 | 20 | 250 | |
| 77 | | | 10 | 25 | 25 | |
| 78 | | | N/O | 1300 | 300 | |
| 79 | | | 50 | 500 | 200 | |
| 80 | | | N/O | 500 | 650 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| TIMING | | | | | | |
| ARRIVE | | | E. SEPT | E. SEPT | E. SEPT | |
| START | | | L. SEPT | M. SEPT | E. SEPT | |
| PEAK | | | OCT | L. SEPT | M. SEPT | |
| END | | | NOV | OCT | L. SEPT | |

REMARKS


VJ
66
67
68
69
70
71
72
73
74
100
Weinberg Inlet
Fernyhough Pt
500
700
200
800
CAMPANIA
McMicking Ck
1000
Inlet
Inlet
Clifford Rocks
Hale
JEWSBURY
PENINSULA
McMicking
Inlet
1500
500
ISLAND
1900
2000
MT PENDER
2398
200
Cartwright
Rocks
N
McMicking Creek
0
2
kilometres


VJ
66
Weinberg Inlet
Fernyhough Pt
500
100
67
68
69
70
700
71
72
73
74
200
Betteridge Inlet
Betteridge Inlet
CAMPANIA
800
1000
200
McMicking Ck
Clifford Rocks
Hale It
JEWSBURY PENINSULA
McMicking Inlet
1500
500
ISLAND
1000
2000
MT PENDER
200
N
McMicking Creek
0
2
kilometres
Cartwright Rocks

NAME OF STREAM (McMicking Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows SW. into McMicking Inlet, Estevan Sd., Rge. 4, Coast Dist.

POSITION 53° 129° SE.

LENGTH 2.5 km WIDTH m DRAINAGE km$^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m$^2$ SPAWNING AREA m$^2$

DISCHARGE (m$^3$/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Falls at 2.5 km, may be passable to coho

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - to falls |
| CHUM | - to falls |
| PINK (ODD YEAR) | - in lower reaches |
| PINK (EVEN YEAR) | - in lower reaches |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

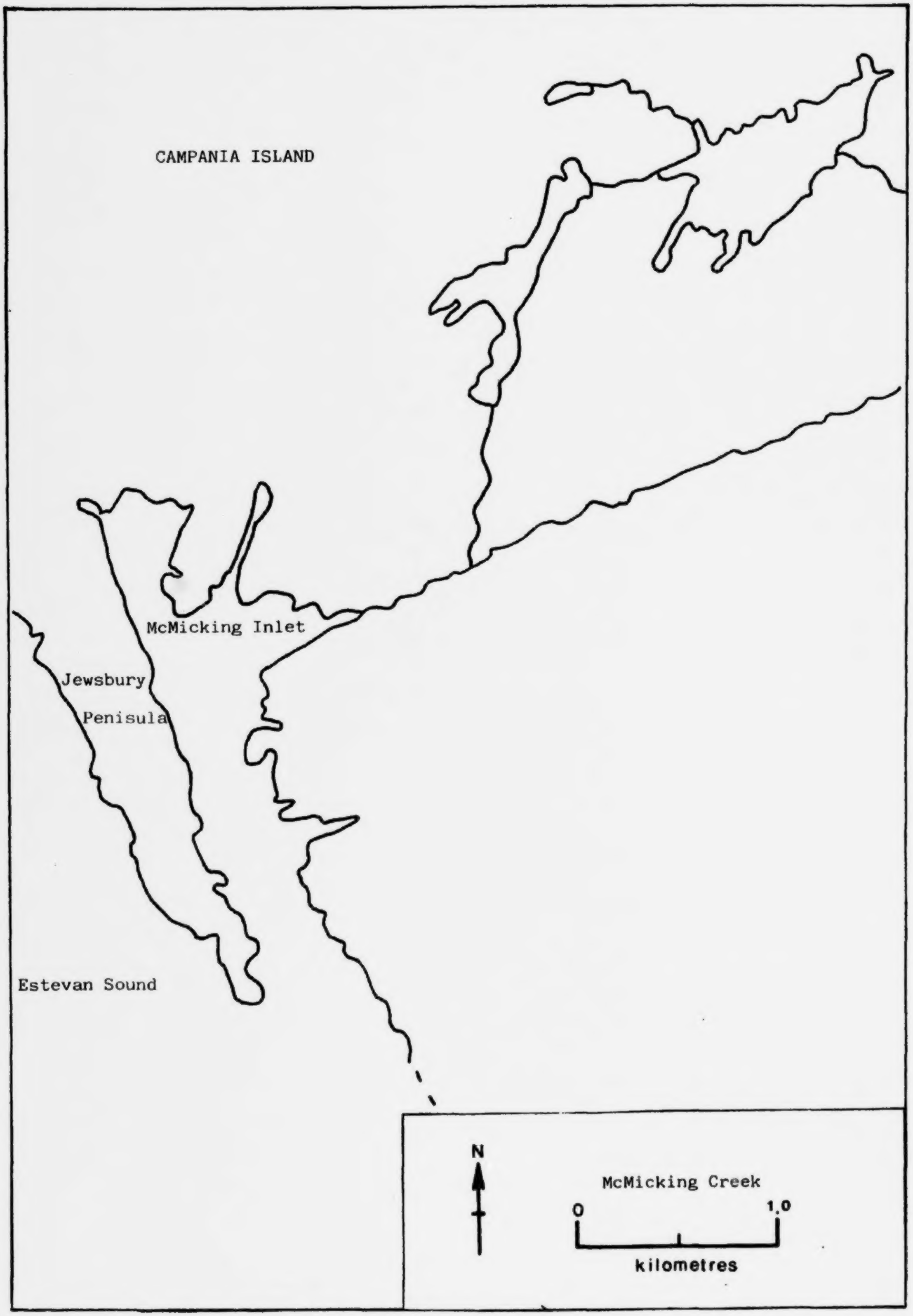
GENERAL REMARKS

-1950. Only limited fishing conducted in stream vicinity

-1961. Incomplete records maintained after 1961

-1976. Late run of chums and coho

- Good spawning gravel in lower reaches
- Subject to seasonal fluctuations in water levels
- Remote location of stream makes supervision difficult
- Heavy predation by wolves

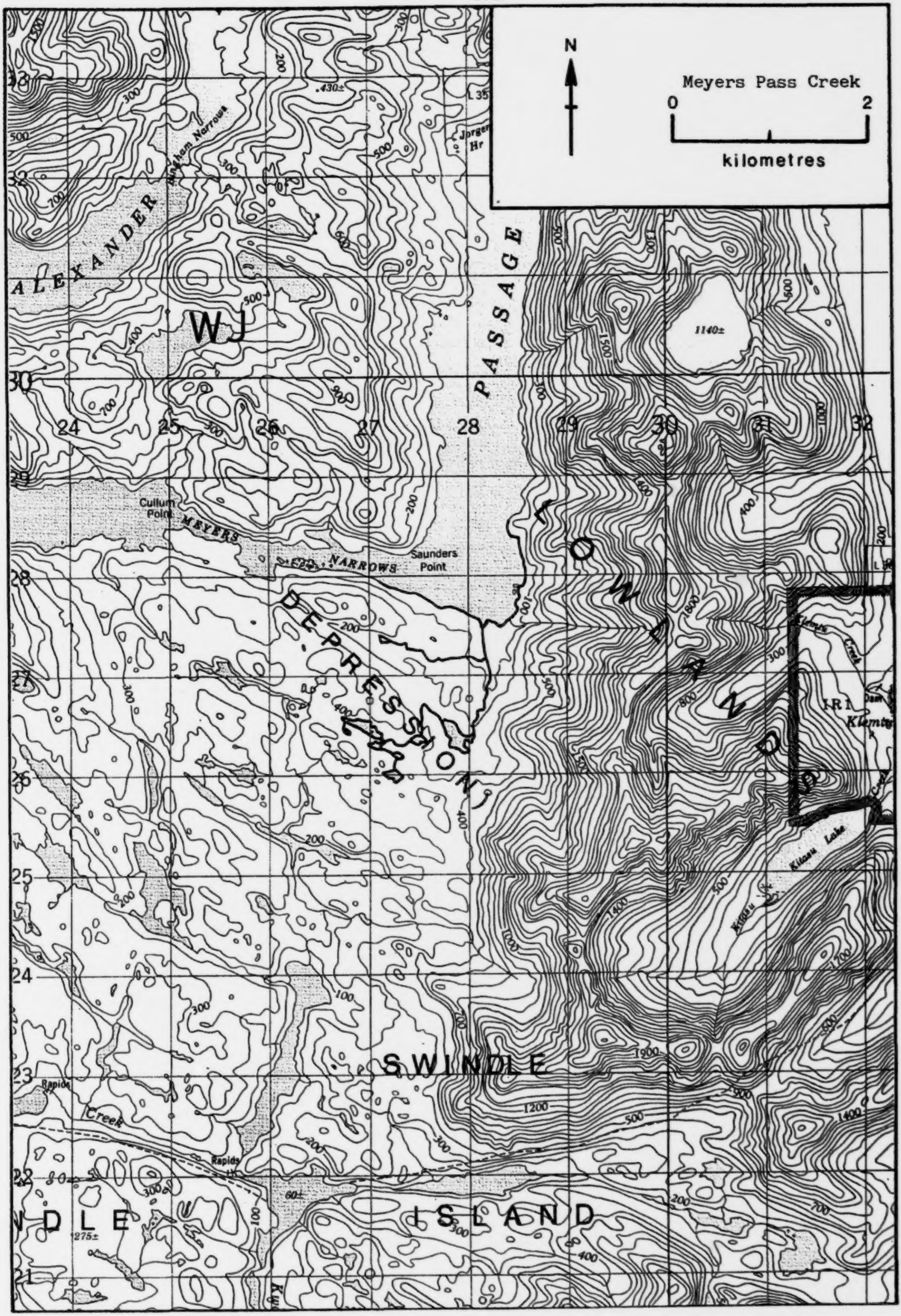

CAMPANIA ISLAND
McMicking Inlet
Jewsbury
Penisula
Estevan Sound
N
McMicking Creek
0
1.0
kilometres

ESCAPEMENT RECORD FOR (McMicking Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | NO | RECORD | | |
| 48 | | | NO | RECORD | | |
| 49 | | | | 750 | 75 | |
| 50 | | | | 8000 | 75 | |
| 51 | | | | 540 | 75 | |
| 52 | | | | 750 | 75 | |
| 53 | | | | 750 | 25 | |
| 54 | | | | UNK | UNK | |
| 55 | | | | 400 | 25 | |
| 56 | | | | 400 | 75 | |
| 57 | | | | UNK | UNK | |
| 58 | | | | UNK | UNK | |
| 59 | | | | 750 | 400 | |
| 60 | | | | UNK | UNK | |
| 61 | | | | | | |
| 62 | | | | | | |
| 63 | | | NOT INSPECTED BETWEEN 1961-1965 | | | |
| 64 | | | | | | |
| 65 | | | | | | |
| 66 | | | | 400 | 200 | |
| 67 | | | | UNK | UNK | |
| 68 | | | | | 400 | |
| 69 | | | | N/0 | N/0 | |
| 70 | | | | 1500 | 1500 | |
| 71 | | | | 400 | N/0 | |
| 72 | | | | 1500 | 200 | |
| 73 | | | | N/0 | N/0 | |
| 74 | | | | N/0 | N/0 | |
| 75 | | | | N/0 | | |
| 76 | | | | 250 | | |
| 77 | | | | 4000 | | |
| 78 | | | 50 | 1200 | N/0 | |
| 79 | | | 50 | 800 | 50 | |
| 80 | 6 | | 50 | 400 | 150 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

| TIMING | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | M. SEPT | | |
| START | | | | L. SEPT | | |
| PEAK | | | | E. OCT | | |
| END | | | | L. OCT | | |

REMARKS


N
Meyers Pass Creek
0
2
kilometres
ALEXANDER
PASSAGE
WJ
Bingham Narrows
Jorgen Hr
Cullum Point
MEYERS NARROWS
Saunders Point
DEPRESSION
LOWLANDS
SWINDLE
ISLAND
NDLE
IR 1
Klemtu
Kitasu Lake
Creek
Rapids
1140±
430±
60±
275±
24
25
26
27
28
29
30
31
32
33
21
22
23

NAME OF STREAM (Meyers Pass Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows N. into Meyers Passage, Swindle Is., Rge. 3, Coast Dist.

POSITION 53°37'N 128°35'W

LENGTH 2.4 km WIDTH m DRAINAGE km$^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m$^2$ SPAWNING AREA m$^2$

DISCHARGE (m$^3$/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 1.5 km

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - to falls |
| CHUM | - to falls |
| PINK (ODD YEAR) | - to falls |
| PINK (EVEN YEAR) | - to falls |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1957. Water turbid, so observation difficult

-1959. Cleared debris from blowdowns in 1957 and 1958

-1960. Tidal zone spawning

-1961. Initial watershed reconnaissance

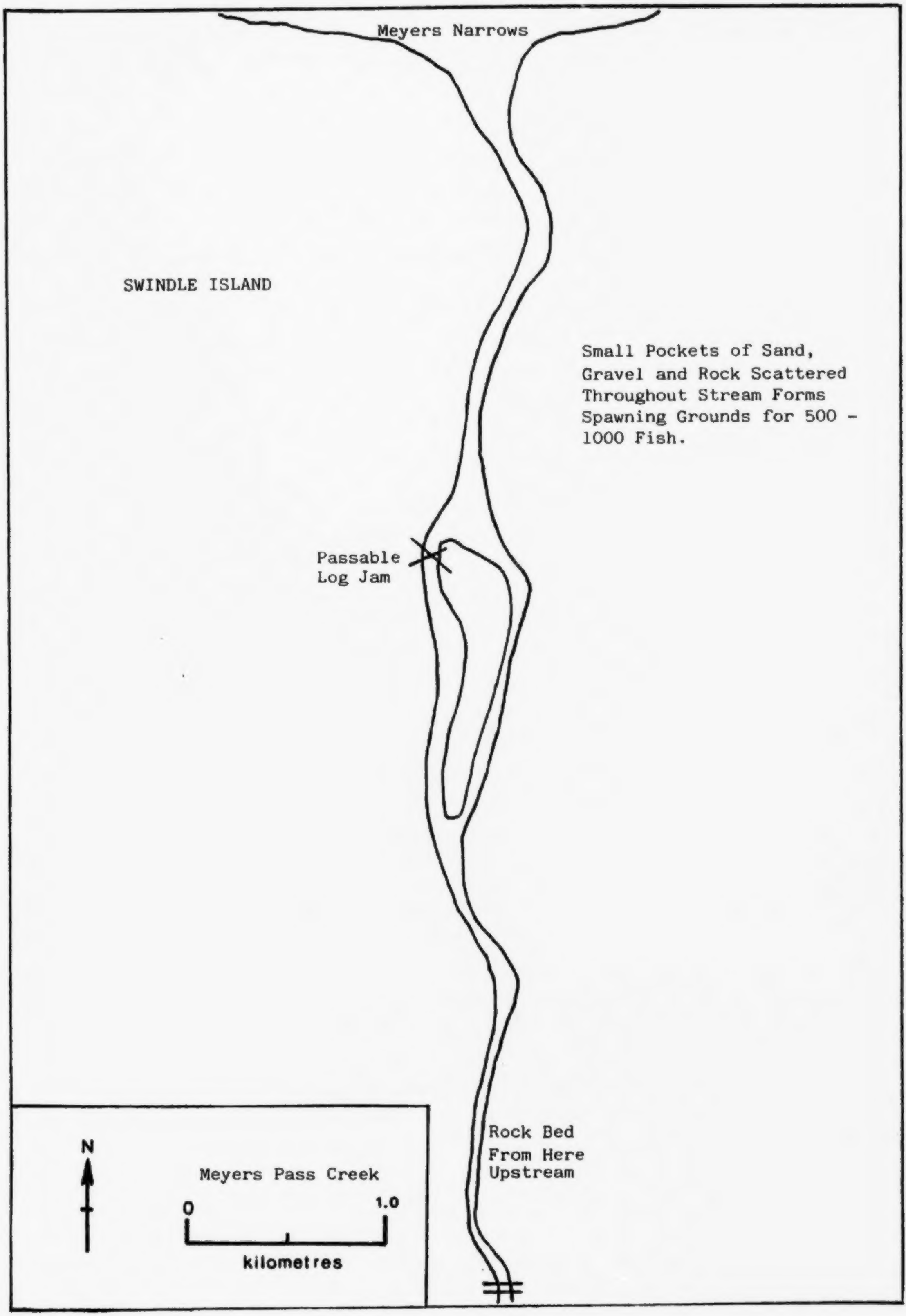
-1966. Surveyed log jams

-1967. Survey revealed that region above falls has poor spawning potential

-1975. Removed impassable log jam located 0.8 km from mouth

-1978, 1980. Flooding may have caused some scouring and erosion of the system

- Little spawning area, as substrate is primarily broken shale
- Subject to seasonal fluctuations in water levels
- Some predation

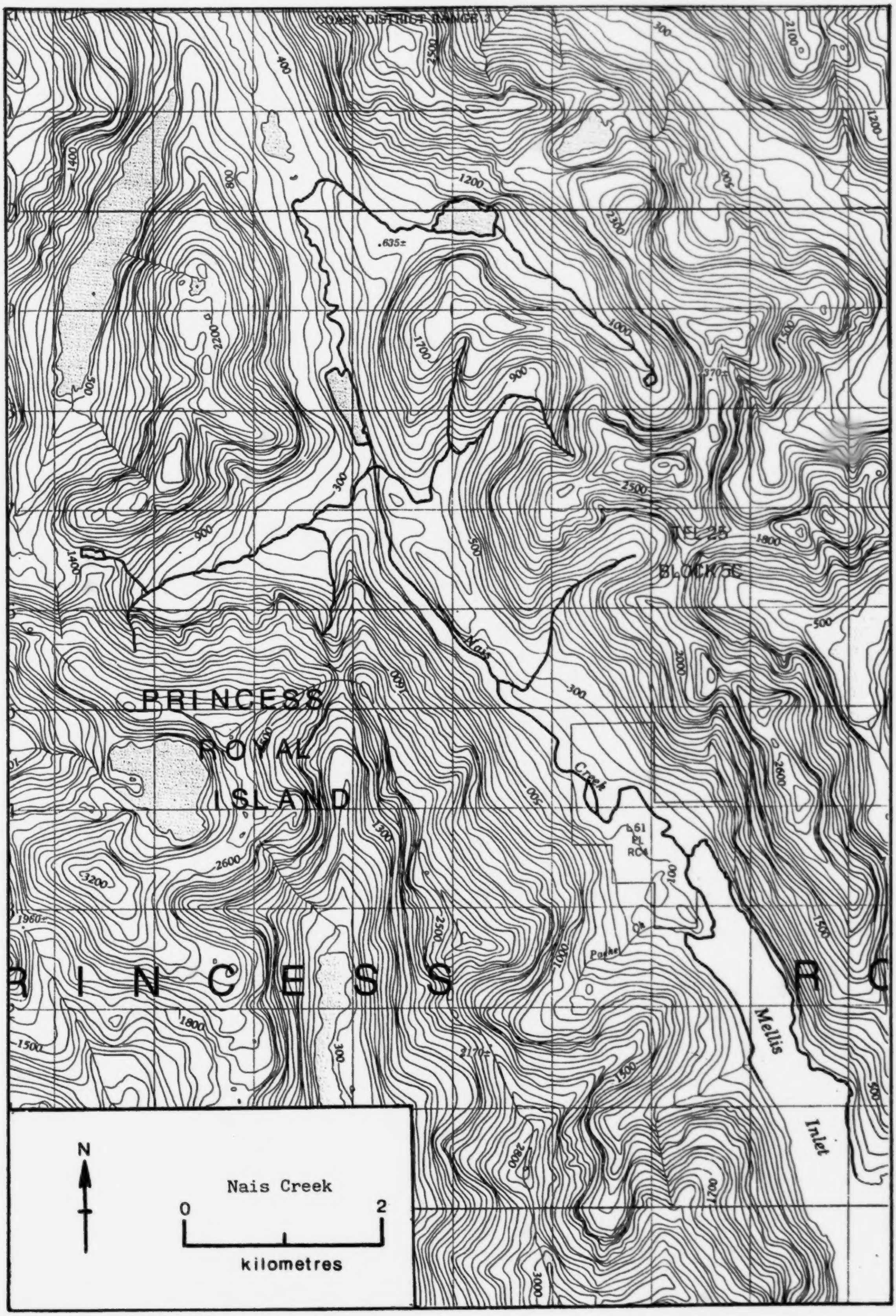

Meyers Narrows
SWINDLE ISLAND
Small Pockets of Sand, Gravel and Rock Scattered Throughout Stream Forms Spawning Grounds for 500 - 1000 Fish.
Passable Log Jam
Rock Bed From Here Upstream
N
Meyers Pass Creek
0
1.0
kilometres

ESCAPEMENT RECORD FOR (Meyers Pass Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | | | | |
| 48 | | | NO RECORD PRIOR TO 1950 | | | |
| 49 | | | | | | |
| 50 | | | 75 | 1500 | 25 | |
| 51 | | | 50 | 450 | 50 | |
| 52 | | | | | 25 | |
| 53 | | | 75 | 1500 | 25 | |
| 54 | | | 75 | 400 | 25 | |
| 55 | | | 25 | 25 | 75 | |
| 56 | | | 25 | 1500 | 750 | |
| 57 | | | N/O | 200 | N/O | |
| 58 | | | 25 | 750 | 75 | |
| 59 | | | N/O | 200 | N/O | |
| 60 | | | | 1500 | 200 | |
| 61 | | | N/O | 750 | N/O | |
| 62 | | | N/O | 750 | 200 | |
| 63 | | | 25 | 750 | 400 | |
| 64 | | | N/O | 1500 | 200 | |
| 65 | | | NOT INSPECTED | | | |
| 66 | | | N/O | 800 | N/O | |
| 67 | | | N/O | 1500 | N/O | |
| 68 | | | N/O | 750 | 200 | |
| 69 | | | N/O | N/O | N/O | |
| 70 | | | N/O | N/O | N/O | |
| 71 | | | N/O | N/O | N/O | |
| 72 | | | N/O | N/O | N/O | |
| 73 | | | N/O | N/O | N/O | |
| 74 | | | 50 | 800 | | |
| 75 | | | | 410 | | |
| 76 | | | | 50 | | |
| 77 | | | | 100 | | |
| 78 | | | | 500 | 20 | |
| 79 | | | | 125 | 10 | |
| 80 | | | | 175 | 10 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

| TIMING | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | E. SEPT | | |
| START | | | | M. SEPT | | |
| PEAK | | | | L. SEPT | | |
| END | | | | E. OCT | | |

REMARKS


COAST DISTRICT RANGE 3
300
2100
2500
400
1200
1400
800
1200
.635±
2300
2200
500
1700
1000
900
370±
300
2500
900
1400
500
TFL 25
BLOCK 5C
1800
500
Nais
300
PRINCESS
ROYAL
ISLAND
1000
2000
500
Creek
2600
L61
PL
RC4
1300
100
2600
3200
1960±
2500
1000
Pocket
Ck
1500
PRINCESS
R O
1800
1500
300
2170±
Mellis
1500
500
Inlet
2800
1700
3000
N
Nais Creek
0
2
kilometres

NAME OF STREAM NIAS CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows SE. into Mellis Inlet, Rge. 3, Coast Dist.

POSITION 52°N 128°W

LENGTH 12.8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - in and above lake |
| CHINOOK | |
| COHO | - throughout |
| CHUM | - 75% spawn just below the lake and in the lower reaches |
| PINK (ODD YEAR) | - 75% spawn just below the lake and in the lower reaches |
| PINK (EVEN YEAR) | - 75% spawn just below the lake and in the lower reaches |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1958. Stream has good potential for increased salmon production

-1964. Chum run consists of two waves, an earlier one of about 10,000 fish and a later one

-1967. Total failure of all runs. Similar failures occurred in other Laredo Inlet streams. Condition is puzzling because the stream receives sufficient protection and the watershed is free from disturbances

-1971. Excellent return of odd-year pinks

-1972. Fish trapped in areas where streambed was drying out during mid September

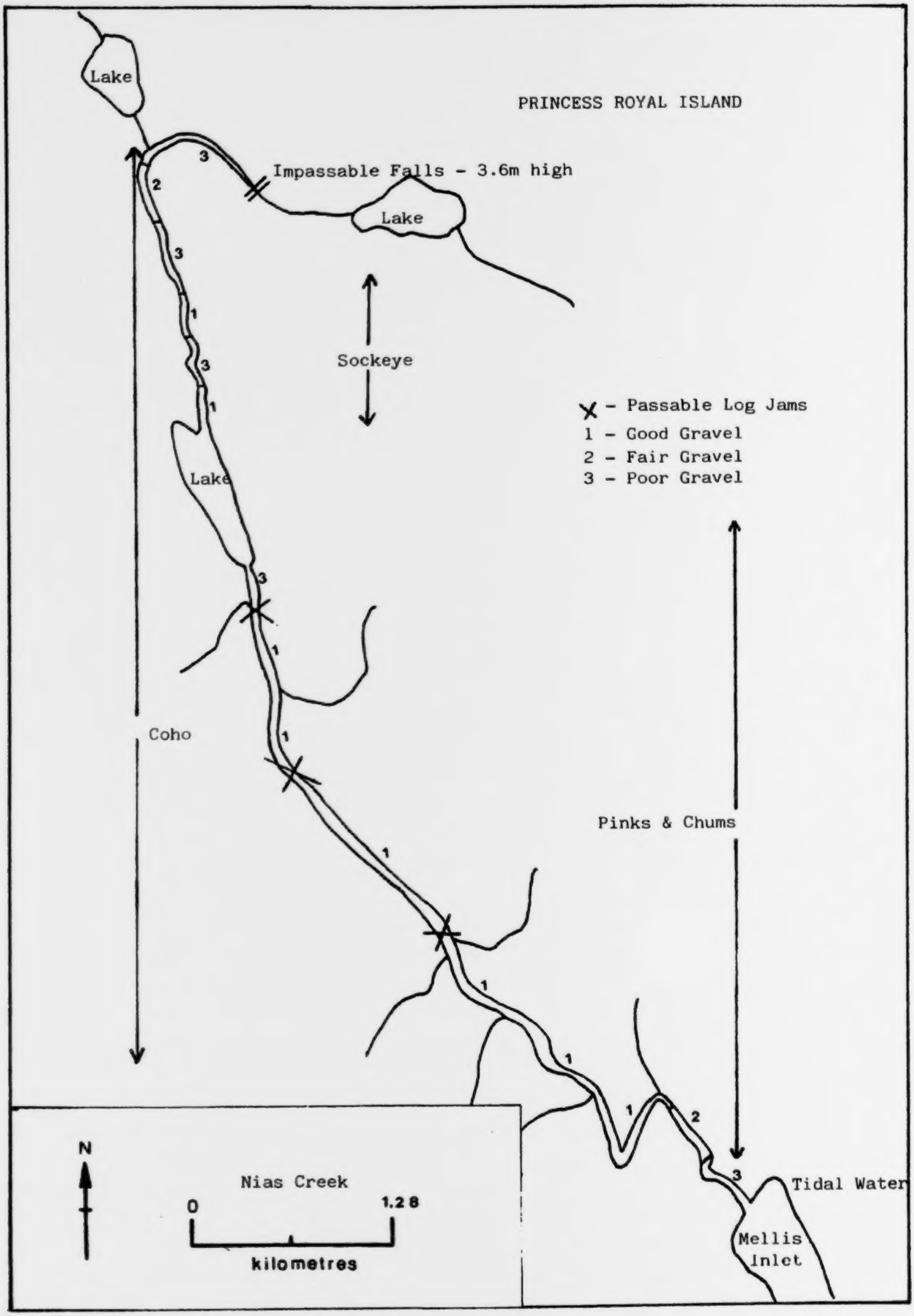
-1974. Assessment hampered by high flows, turbid water and extensive streambank cover

-1978, 1980. Flooding and erosion likely resulted from winter flooding

- Good spawning area between mouth and point 0.4 km upstream

GENERAL REMARKS (cont'd) Nias Creek

- Well protected by Laredo Inlet fishing boundaries
- Subject to seasonal fluctuations in water levels
- Some predation


PRINCESS ROYAL ISLAND
Lake
Impassable Falls - 3.6m high
Lake
Sockeye
Lake
✕ - Passable Log Jams
1 - Good Gravel
2 - Fair Gravel
3 - Poor Gravel
Coho
Pinks & Chums
Tidal Water
Mellis Inlet
N
Nias Creek
0
1.28
kilometres
1
2
3

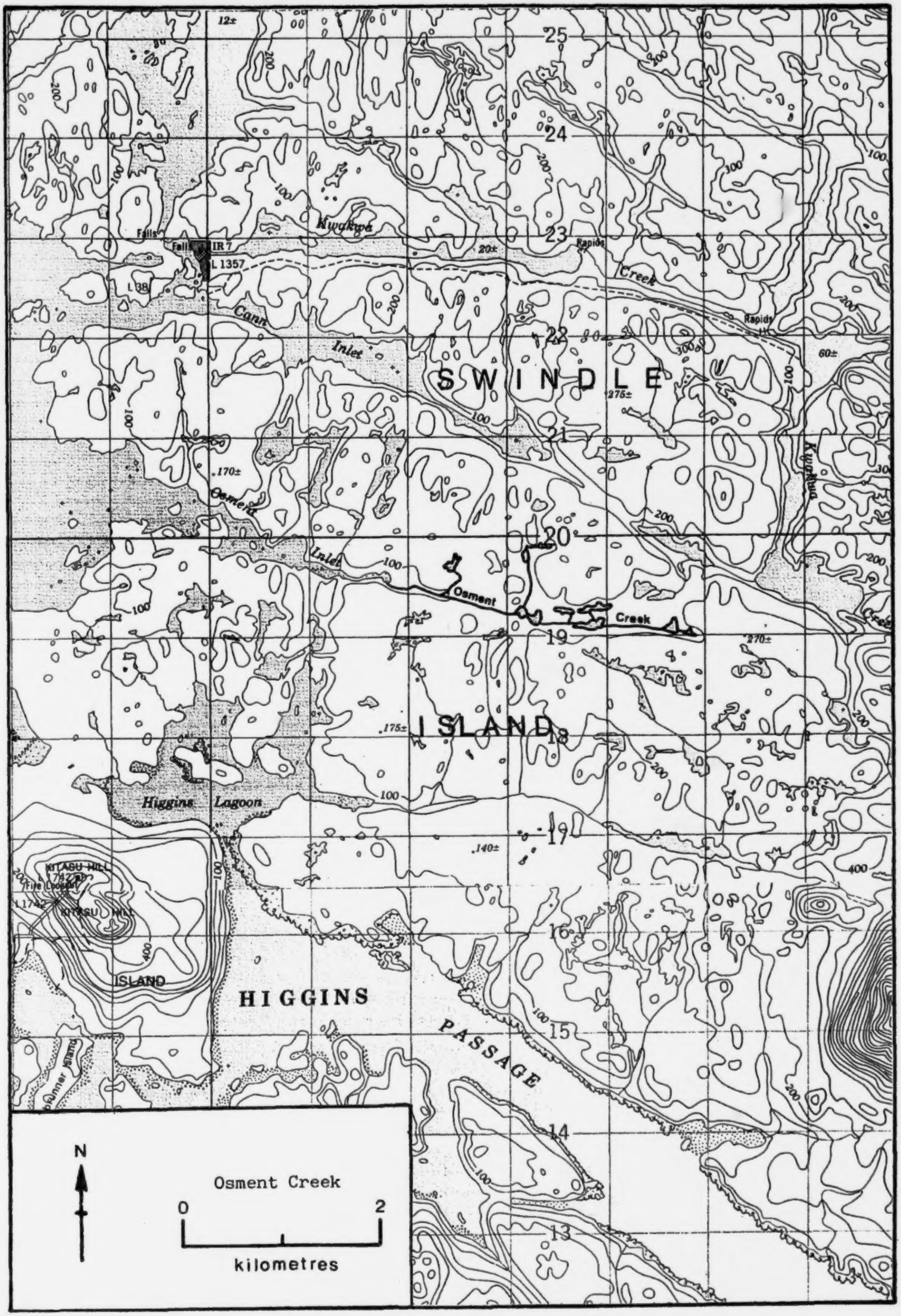
ESCAPEMENT RECORD FOR NIAS CREEK

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 400 | 7500 | 3500 | |
| 48 | | | 750 | | 1500 | |
| 49 | | | 200 | 3500 | 1500 | |
| 50 | | | 400 | 3500 | 3500 | |
| 51 | | | 700 | 1500 | 1600 | |
| 52 | | | | | 3500 | |
| 53 | | | 400 | 3500 | 1500 | |
| 54 | | | 750 | 3500 | 1500 | |
| 55 | | | 400 | 25 | 75 | |
| 56 | | | 400 | 400 | 1500 | |
| 57 | | | 3500 | 1500 | 1500 | |
| 58 | | | 400 | 3500 | 3500 | |
| 59 | | | 750 | 200 | 3500 | |
| 60 | 25 | | 200 | 7500 | 7500 | |
| 61 | 75 | | 1500 | 7500 | 15000 | |
| 62 | 25 | | 3500 | 15000 | 35000 | |
| 63 | N/O | | 3500 | 3500 | 35000 | |
| 64 | 25 | | 400 | 35000 | 15000 | |
| 65 | | | 750 | 1500 | 3500 | |
| 66 | | | 200 | 1000 | 7000 | |
| 67 | | | N/O | N/O | N/O | |
| 68 | | | N/O | N/O | N/O | |
| 69 | 500 | | 200 | 2600 | 3500 | |
| 70 | 1500 | | 200 | 1500 | 7500 | |
| 71 | 400 | | 400 | 3000 | 23000 | |
| 72 | N/O | | 25 | 7500 | 15000 | |
| 73 | N/O | | 75 | 6000 | 4000 | |
| 74 | N/O | | 75 | 2000 | 250 | |
| 75 | | | N/O | 7500 | 800 | |
| 76 | | | | N/O | N/O | |
| 77 | | | | 60 | 550 | |
| 78 | | | | N/O | N/O | |
| 79 | | | 200 | 100 | 600 | |
| 80 | 1 | | 50 | 2000 | 19000 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | SEPT | L. AUG | E. AUG | |
| START | | | SEPT | E. SEPT | L. AUG | |
| PEAK | | | OCT | M. SEPT | SEPT | |
| END | | | OCT | OCT | OCT | |

REMARKS


25
24
23
22
21
20
19
18
17
16
15
14
13
Kwakwa
Creek
Falls
IR 7
L 1357
L 38
Rapids
Cann
Inlet
SWINDLE
ISLAND
Osment
Inlet
Osment
Creek
Kwakwa
Higgins Lagoon
KITASU HILL
Fire Lookout
ISLAND
HIGGINS
PASSAGE
Dunmer Island
12±
20±
60±
170±
175±
140±
270±
275±
100
200
300
400
N
Osment Creek
0
2
kilometres

NAME OF STREAM (Osment Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Osment Inlet(Kitasu Bay), Rge. 3, Coast Dist.

POSITION 52° 128° NW

LENGTH 1.6 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

| PERCENT GRADIENT | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - throughout lower reaches |
| CHUM | - throughout lower reaches |
| PINK (ODD YEAR) | - throughout lower reaches |
| PINK (EVEN YEAR) | - throughout lower reaches |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1950. Passable log jam located 0.8 km from the mouth surveyed because 3/4 of spawning grounds are above obstruction

-1951. Upstream migration delayed until mid September due to low flows

-1957. Chums spawned in tidal water due to low water levels during migration

-1969-1970. Patrolman reported fine gravel to sand in lower reaches, with broken rock substrate in the upper reaches and numerous windfalls, but no obstructions

-1978, 1980. Winter flooding

- Little production
- Small stream, 4.5-9.0 m wide with good gravel throughout
- Seriously affected by dry weather
- Subject to seasonal fluctuaions in water levels
- Heavy predation by bears and wolves

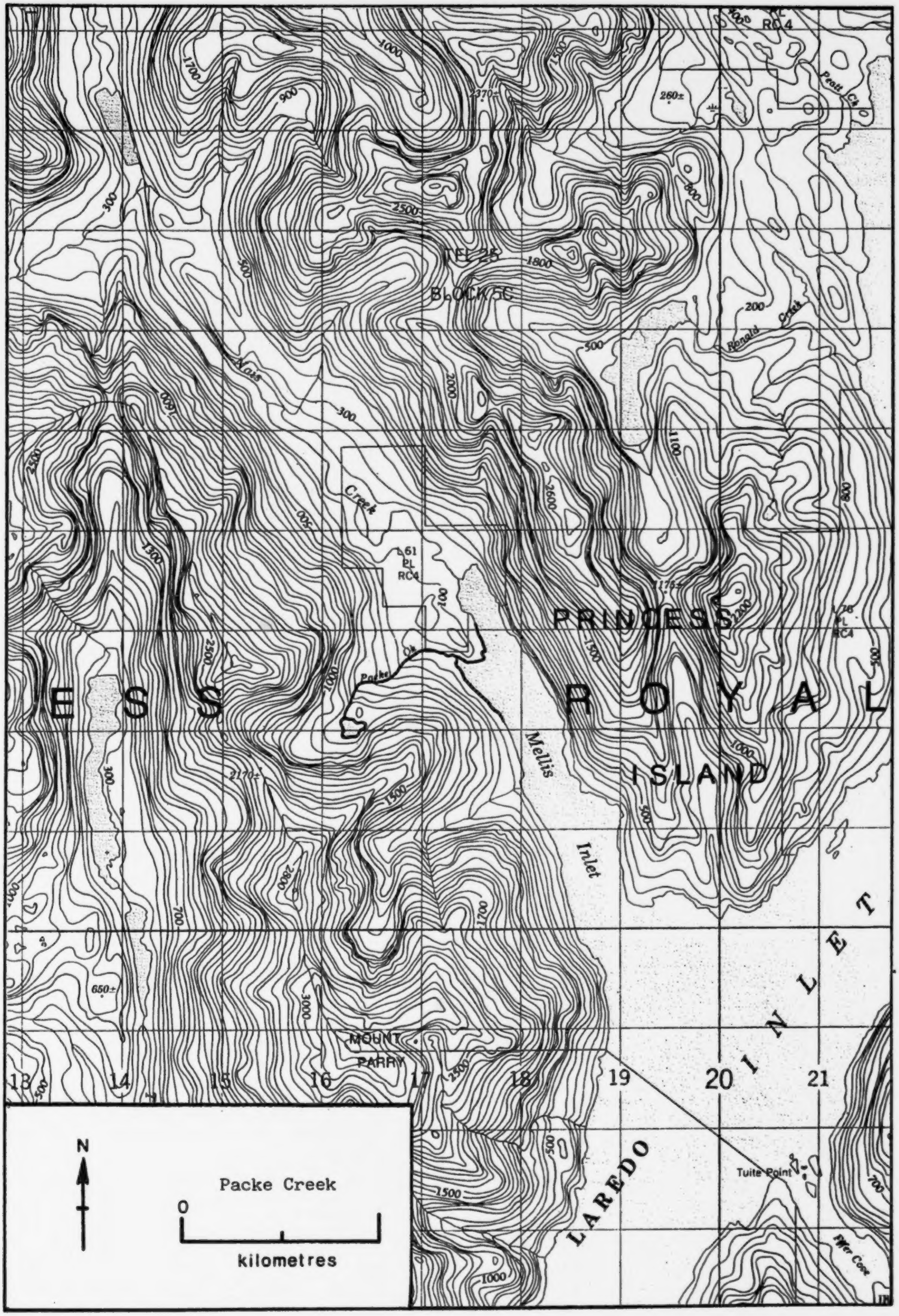
ESCAPEMENT RECORD FOR (Osment Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 75 | 3500 | 75 | |
| 48 | | | | | 75 | |
| 49 | | | 75 | 400 | 400 | |
| 50 | | | 75 | 200 | 25 | |
| 51 | | | 25 | 600 | 25 | |
| 52 | | | | | 25 | |
| 53 | | | 200 | 750 | 25 | |
| 54 | | | 75 | 750 | 400 | |
| 55 | | | 75 | 25 | 75 | |
| 56 | | | 400 | 750 | 750 | |
| 57 | | | 75 | 1500 | N/O | |
| 58 | | | | 200 | 200 | |
| 59 | | | N/O | 75 | 400 | |
| 60 | | | 25 | 750 | 400 | |
| 61 | | | N/O | 25 | 200 | |
| 62 | | | N/O | 200 | 750 | |
| 63 | | | 25 | 25 | 200 | |
| 64 | | | N/O | 750 | 750 | |
| 65 | | | 200 | 400 | 1500 | |
| 66 | | | N/O | 1000 | 1500 | |
| 67 | | | N/O | 25 | N/O | |
| 68 | | | N/O | N/O | N/O | |
| 69 | | | N/O | N/O | N/O | |
| 70 | | | N/O | N/O | N/O | |
| 71 | | | N/O | N/O | N/O | |
| 72 | | | N/O | N/O | N/O | |
| 73 | | | N/O | N/O | N/O | |
| 74 | | | N/O | N/O | N/O | |
| 75 | | | N/O | N/O | N/O | |
| 76 | | | 1 | | | |
| 77 | | | | 100 | | |
| 78 | | | 50 | 150 | | |
| 79 | | | 50 | 100 | | |
| 80 | | | | 25 | | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | M. SEPT | | |
| START | | | | M. SEPT | | |
| PEAK | | | | E. OCT | | |
| END | | | | L. OCT | | |

REMARKS


RC4
Peatt Ck
260±
2370±
1700
1000
900
300
800
2500
TFL 25
BLOCK 5C
1800
500
200
Ronald Creek
Nass
300
2000
1600
2500
1100
Creek
500
2600
800
1300
L61
PL
RC4
100
1175±
PRINCESS
L76
PL
RC4
2500
1000
Packe Ck
1500
ESS
ROYAL
Mellis
ISLAND
2170±
1500
300
900
Inlet
2800
1000
700
1700
INLET
650±
3000
MOUNT
PARRY
13
14
15
16
17
18
19
20
21
2500
500
LAREDO
Tuite Point
700
1500
Fifer Cove
1000
N
Packe Creek
0
kilometres

NAME OF STREAM PACKE CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows E. into Mellis Inlet, Rge. 3, Coast Dist.

POSITION 52° 128° NW

LENGTH 4.8 km WIDTH m DRAINAGE km$^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m$^2$ SPAWNING AREA m$^2$

DISCHARGE (m$^3$/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 1.6 km. (except to coho at favourable water levels)

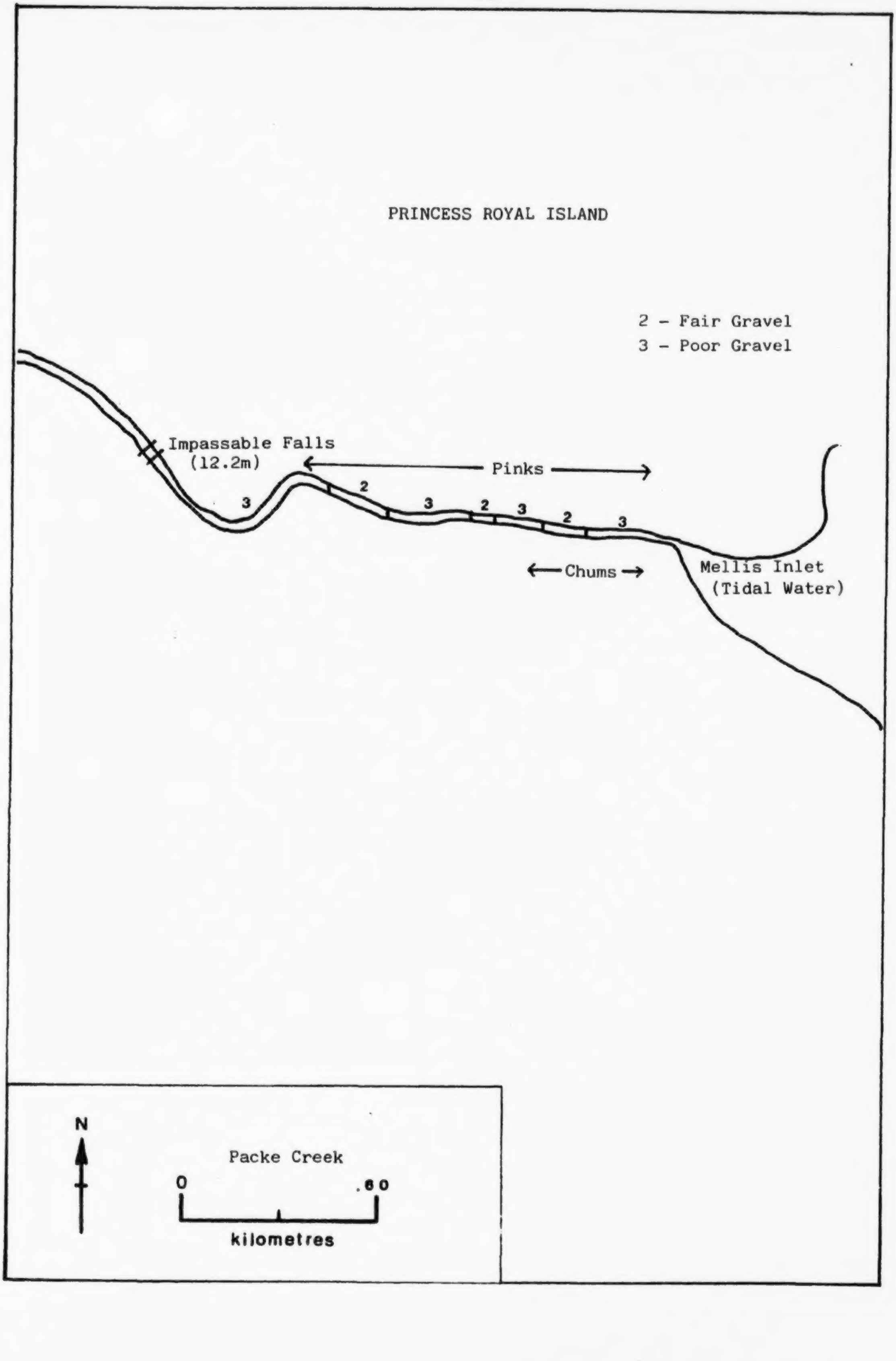
SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - to 6.4 km under favourable water conditions |
| CHUM | - throughout first 1.2 km |
| PINK (ODD YEAR) | - throughout first 1.2 km |
| PINK (EVEN YEAR) | - throughout first 1.2 km |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

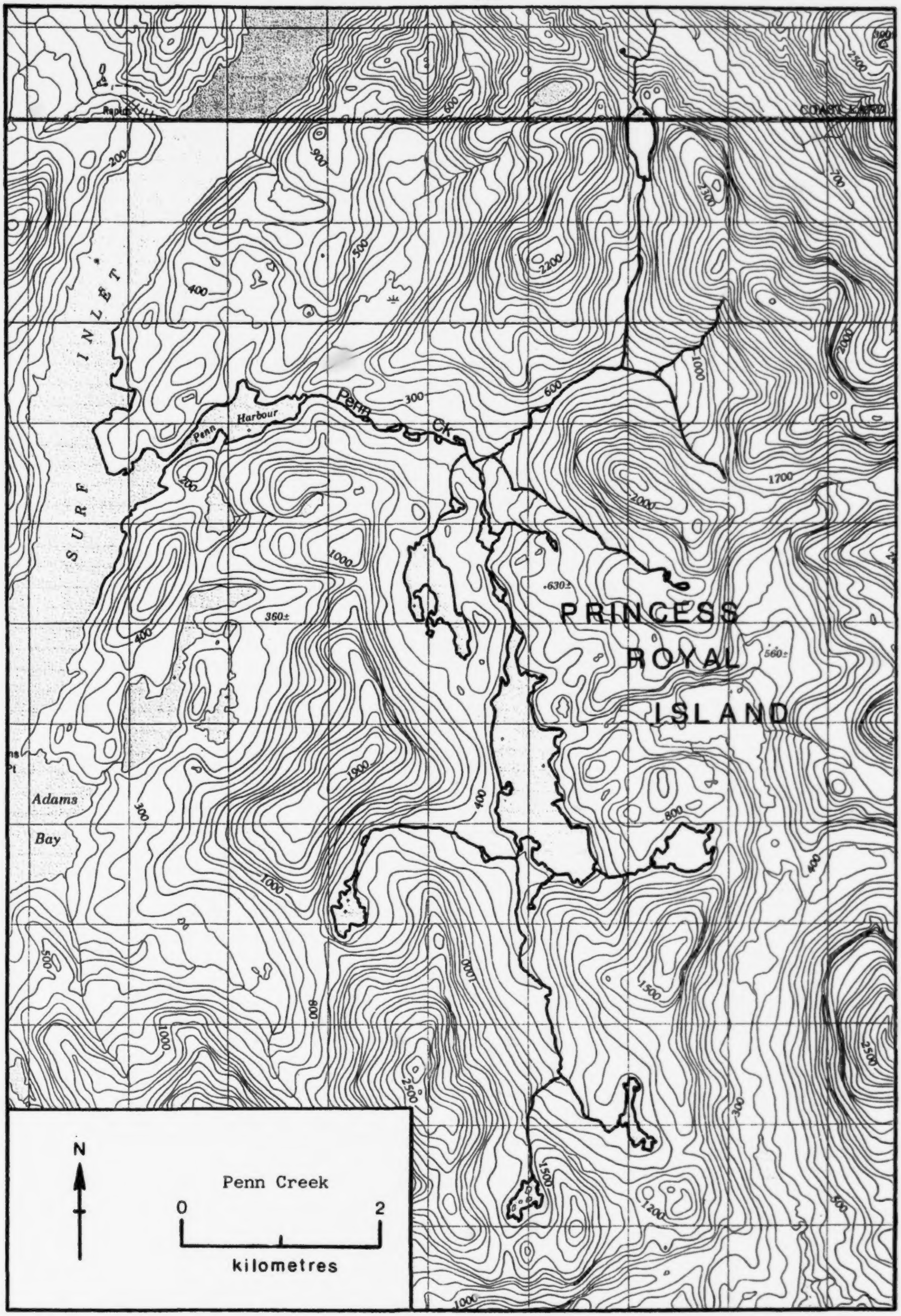
-1958. Large pinks noticed
-1960. Tidal flat spawning observed
-1961. High flows and turbid water hampered assessment
-1965. Creek bed dry in late September and therefore impassable. Fish may have spawned later in the season after the heavy rains
-1966. Poor observation conditions during inspection
-1972. Low water prompted some spawning in tidal water
- Protected by Laredo Inlet boundaries
- Steep and rocky creek bed
- Subject to seasonal fluctuations in water levels
- Light predation by bears, wolves, waterfowl, eagles, and seals


PRINCESS ROYAL ISLAND
2 - Fair Gravel
3 - Poor Gravel
Impassable Falls
(12.2m)
Pinks
3
2
3
2
3
2
3
Chums
Mellis Inlet
(Tidal Water)
N
Packe Creek
0
.60
kilometres

ESCAPEMENT RECORD FOR PACKE CREEK

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 25 | 25 | 25 | |
| 48 | | | 200 | | 3500 | |
| 49 | | | 25 | 75 | 75 | |
| 50 | | | 750 | 7500 | 7500 | |
| 51 | | | 500 | 400 | 400 | |
| 52 | | | | | 1500 | |
| 53 | | | 200 | 1500 | 750 | |
| 54 | | | 400 | 3500 | 3500 | |
| 55 | | | 200 | 25 | 400 | |
| 56 | | | 200 | 750 | 1500 | |
| 57 | | | N/O | 75 | 25 | |
| 58 | | | 400 | 400 | 400 | |
| 59 | | | N/O | 25 | 200 | |
| 60 | | | 25 | 750 | 400 | |
| 61 | | | N/O | 75 | 75 | |
| 62 | | | N/O | 750 | 1500 | |
| 63 | | | 400 | 400 | 7500 | |
| 64 | | | N/O | 3500 | 750 | |
| 65 | | | N/O | N/O | N/O | |
| 66 | | | N/O | N/O | N/O | |
| 67 | | | 25 | N/O | N/O | |
| 68 | | | 1500 | N/O | 7500 | |
| 69 | | | N/O | 15 | 200 | |
| 70 | | | N/O | 75 | 200 | |
| 71 | | | N/O | N/O | 75 | |
| 72 | | | N/O | 200 | 750 | |
| 73 | | | N/O | 300 | 250 | |
| 74 | | | | 50 | 50 | |
| 75 | | | N/O | N/O | N/O | |
| 76 | | | | N/O | N/O | |
| 77 | | | | N/O | N/O | |
| 78 | | | 150 | 3000 | 1500 | |
| 79 | | | N/O | 500 | 100 | |
| 80 | | | | 2 | 6 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |
| TIMING | | | | | | |
| ARRIVE | | | | E. SEPT | E. SEPT | |
| START | | | | E. SEPT | M. SEPT | |
| PEAK | | | | L. SEPT | L. SEPT | |
| END | | | | OCT | E. OCT | |

REMARKS


Rapids
COAST LAND
SURF INLET
Penn Harbour
Penn Ck
PRINCESS ROYAL ISLAND
Adams Bay
N
Penn Creek
0
2
kilometres

NAME OF STREAM (Penn Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Surf Inlet, Rge. 3, Coast Dist.

POSITION 53°05'N 128°45'W

LENGTH 0.8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 0.5 km. Passable to coho at high water

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - usually below rock falls |
| CHUM | - chiefly tidal areas |
| PINK (ODD YEAR) | - tidal and lower reaches |
| PINK (EVEN YEAR) | - tidal and lower reaches |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1968. Since no pink returns since 1961, and no coho or chum runs since 1964, inspection personnel suggest that stream be removed from active records

-1980. No fish have spawned in this creek since 1961

- Subject to seasonal fluctuations

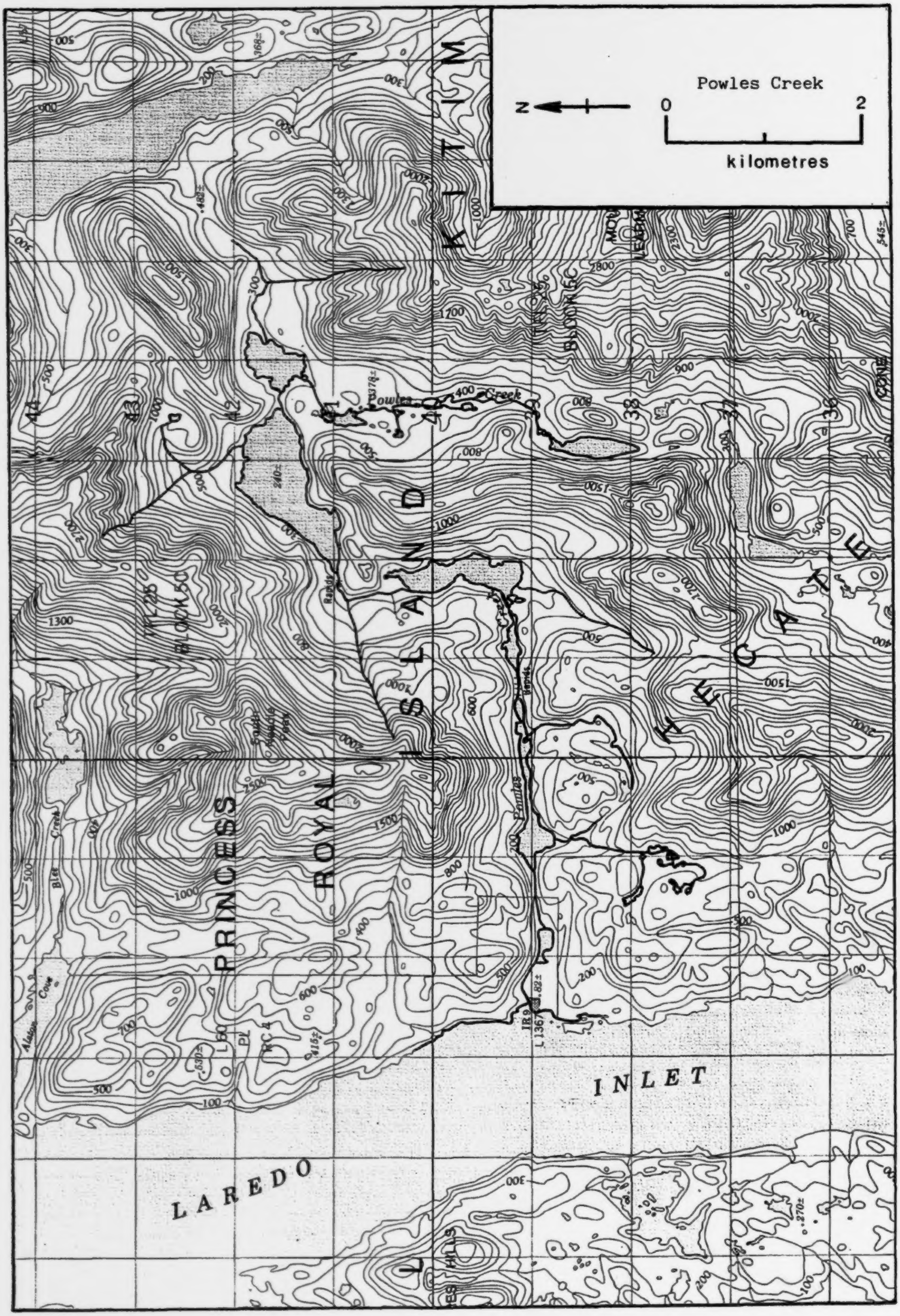
ESCAPEMENT RECORD FOR (Penn Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 750 | 75 | 25 | |
| 48 | | | 400 | | 75 | |
| 49 | | | 400 | 75 | 25 | |
| 50 | | | 25 | 75 | 75 | |
| 51 | | | 1000 | 100 | 50 | |
| 52 | | | | | 400 | |
| 53 | | | 750 | 200 | 200 | |
| 54 | | | 200 | 75 | 75 | |
| 55 | | | 400 | 200 | 25 | |
| 56 | | | 750 | 200 | 1500 | |
| 57 | | | 200 | 200 | N/O | |
| 58 | | | 200 | 200 | N/O | |
| 59 | | | 200 | 200 | | |
| 60 | | | 400 | 200 | 75 | |
| 61 | | | 25 | 200 | 25 | |
| 62 | | | 400 | 750 | N/O | |
| 63 | | | 200 | 25 | N/O | |
| 64 | | | 25 | 200 | N/O | |
| 65 | | | N/O | N/O | N/O | |
| 66 | | | N/O | N/O | N/O | |
| 67 | | | N/O | N/O | N/O | |
| 68 | | | N/O | N/O | N/O | |
| 69 | | | N/O | N/O | N/O | |
| 70 | | | N/O | N/O | N/O | |
| 71 | | | N/O | N/O | N/O | |
| 72 | | | N/O | N/O | N/O | |
| 73 | | | N/O | N/O | N/O | |
| 74 | | | N/O | N/O | N/O | |
| 75 | | | N/O | N/O | N/O | |
| 76 | | | N/O | | | |
| 77 | | | N/O | N/O | N/O | |
| 78 | | | N/O | N/O | N/O | |
| 79 | | | | N/O | N/O | |
| 80 | | | | N/O | N/O | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | | | |
| START | | | | | | |
| PEAK | | | | | | |
| END | | | | | | |

REMARKS


Powles Creek
N
0
2
kilometres
PRINCESS ROYAL ISLAND
KITIM
HECATE
LAREDO
INLET
Powles Creek
TFL 25 BLOCK 5C
TFL 25 BLOCK 5C
Blee Creek
Alston Cove
Rapids
CONE
HILLS
L 50
PL
RC 4
IR 9
L 1367

NAME OF STREAM POWLES CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Laredo Inlet. Rge. 3. Coast Dist.

POSITION 52° 128° NW

LENGTH 4.0 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Passable rock falls 140 m from stream mouth

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - to third lake and beyond |
| CHINOOK | |
| COHO | - to third lake and beyond |
| CHUM | - third lake to second lake |
| PINK (ODD YEAR) | - third lake to second lake |
| PINK (EVEN YEAR) | - third lake to second lake |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1957. Windfalls located 5.6 km from mouth surveyed

-1958. Debris cleared

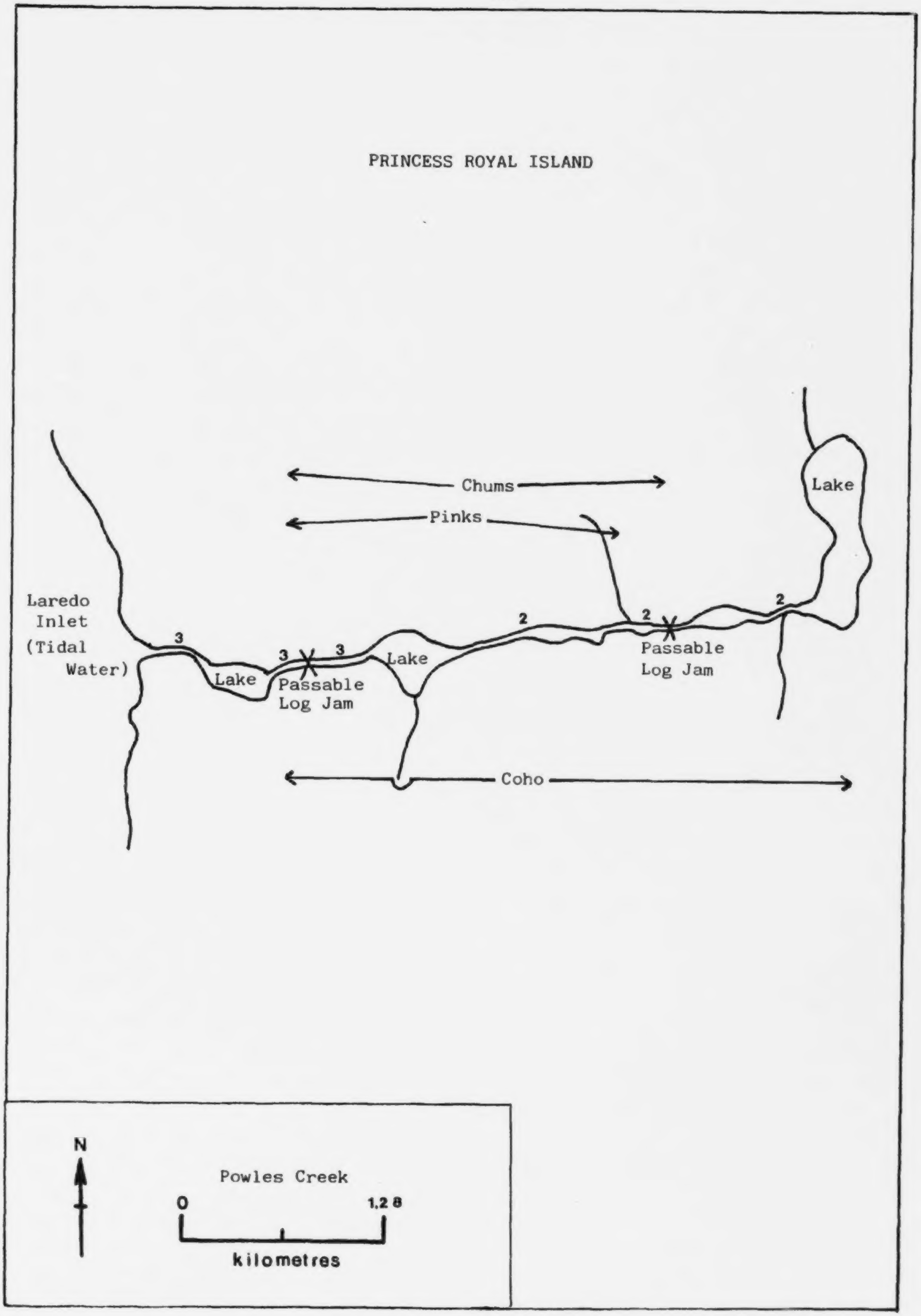
-1964. Turbid water hampered inspection

-1965. Low water in system delayed upstream migration until Sept. 30th. Delay may have caused some loss of pinks due to tidal spawning

-1966. High water complicated assessment

-1967. No spawning salmon observed as a result of poor spawning conditions

- System protected by Laredo Inlet fishing boundaries
- Swift, bouldery stream with deep pools and turbid water below canyon near first lake
- Subject to seasonal fluctuations in water levels
- Predation by bears, birds, seals and wolves


PRINCESS ROYAL ISLAND
Chums
Pinks
Lake
Laredo
Inlet
(Tidal
Water)
3
Lake
3
3
Passable
Log Jam
Lake
2
2
Passable
Log Jam
2
Coho
N
Powles Creek
0
1.2 8
kilometres

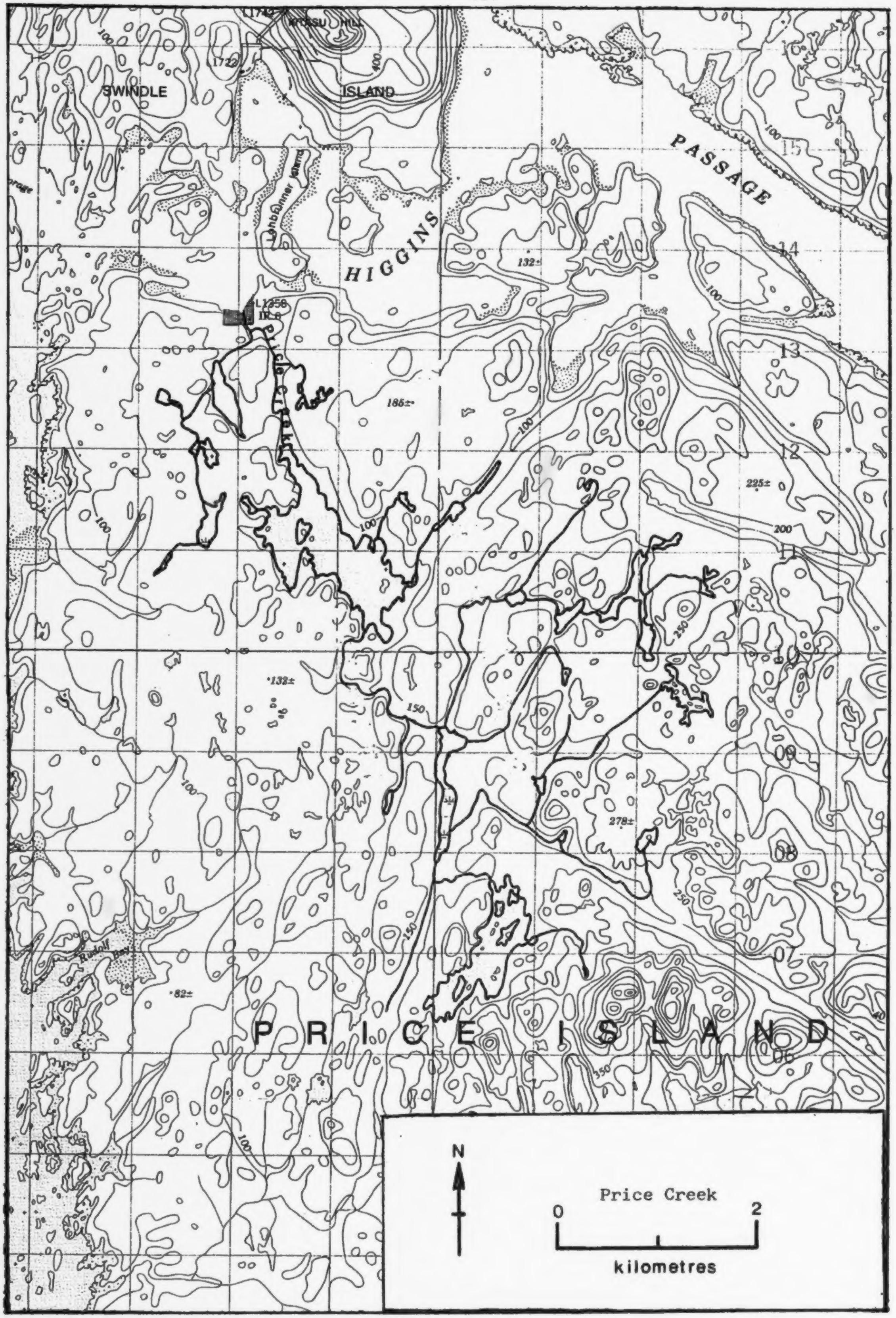
ESCAPEMENT RECORD FOR POWLES CREEK

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | 75 | | 200 | 75 | 25 | |
| 48 | | | 75 | | 400 | |
| 49 | 75 | | 200 | 400 | 25 | |
| 50 | 400 | | 200 | 750 | 750 | |
| 51 | 50 | | 500 | 500 | 400 | |
| 52 | | | | | 1500 | |
| 53 | 75 | | 75 | 400 | 200 | |
| 54 | 200 | | 400 | 400 | 400 | |
| 55 | 25 | | 200 | 25 | 75 | |
| 56 | 200 | | 75 | 75 | 750 | |
| 57 | 200 | | 400 | 1500 | 25 | |
| 58 | 25 | | 25 | 25 | 750 | |
| 59 | 200 | | 25 | 25 | 25 | |
| 60 | 75 | | 200 | 1500 | 1500 | |
| 61 | 75 | | 25 | 200 | 1500 | |
| 62 | 750 | | 750 | 75 | 3500 | |
| 63 | 200 | | 400 | 25 | 7500 | |
| 64 | 25 | | 25 | 1500 | 3500 | |
| 65 | UNK | | 1500 | 750 | 3500 | |
| 66 | N/O | | 15 | N/O | 200 | |
| 67 | N/O | | N/O | N/O | N/O | |
| 68 | N/O | | N/O | N/O | 7500 | |
| 69 | | | 150 | 700 | 600 | |
| 70 | N/O | | 200 | 750 | 3500 | |
| 71 | N/O | | 200 | 400 | 750 | |
| 72 | N/O | | 750 | 75 | 400 | |
| 73 | | | 500 | 50 | N/O | |
| 74 | | | 300 | 100 | 250 | |
| 75 | | | N/O | 800 | 750 | |
| 76 | | | 1000 | N/O | 7000 | |
| 77 | | | 900 | 90 | 1100 | |
| 78 | | | 600 | 600 | 1500 | |
| 79 | | | 700 | 400 | 100 | |
| 80 | | | 500 | 100 | 1000 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | E. SEPT | E. SEPT | L. AUG | |
| START | | | L. SEPT | E. SEPT | E. SEPT | |
| PEAK | | | OCT | M. SEPT | M. SEPT | |
| END | | | NOV | L. SEPT | L. SEPT | |

REMARKS


L1742
KITASU HILL
L1722
SWINDLE
ISLAND
400
PASSAGE
HIGGINS
L1356
IR 8
Price Creek
132±
185±
225±
132±
278±
82±
100
150
200
250
350
Rudolf Bay
16
15
14
13
12
11
10
09
08
07
06
PRICE ISLAND
N
Price Creek
0
2
kilometres

NAME OF STREAM (Price Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Higgins Passage, Rge. 3, Coast Dist.

POSITION 52°25'N 128°45'W

LENGTH 8.0 MI. WIDTH FT. DRAINAGE SQ. MI.

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

GRADIENT:

| FALL IN FT/000 | |
|---|---|
| 0.0 - 2.5 | |
| 2.5 - 5.0 | |
| 5.0 - 7.5 | |
| 7.5 - 10.0 | |
| > 10.0 | |

WETTED AREA SQ. YD. SPAWNING AREA SQ. YD.

DISCHARGE CFS MAX MIN

TEMPERATURE

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION:

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - lake outlet and above |
| CHINOOK | |
| COHO | - throughout |
| CHUM | - to lake |
| PINK (ODD YEAR) | - to lake |
| PINK (EVEN YEAR) | - to lake |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

- Spawning grounds above log jam

GENERAL REMARKS:

-1950. Impassable log jam at low water was located 0.8 km upstream and surveyed

-1951. Some evidence of late spawning chums digging up previously deposited eggs in the lower reaches. Log jam removed

-1953. Coho and chums only lightly exploited by commercial fishery this year due to closure

-1956. The late run of chums was very small

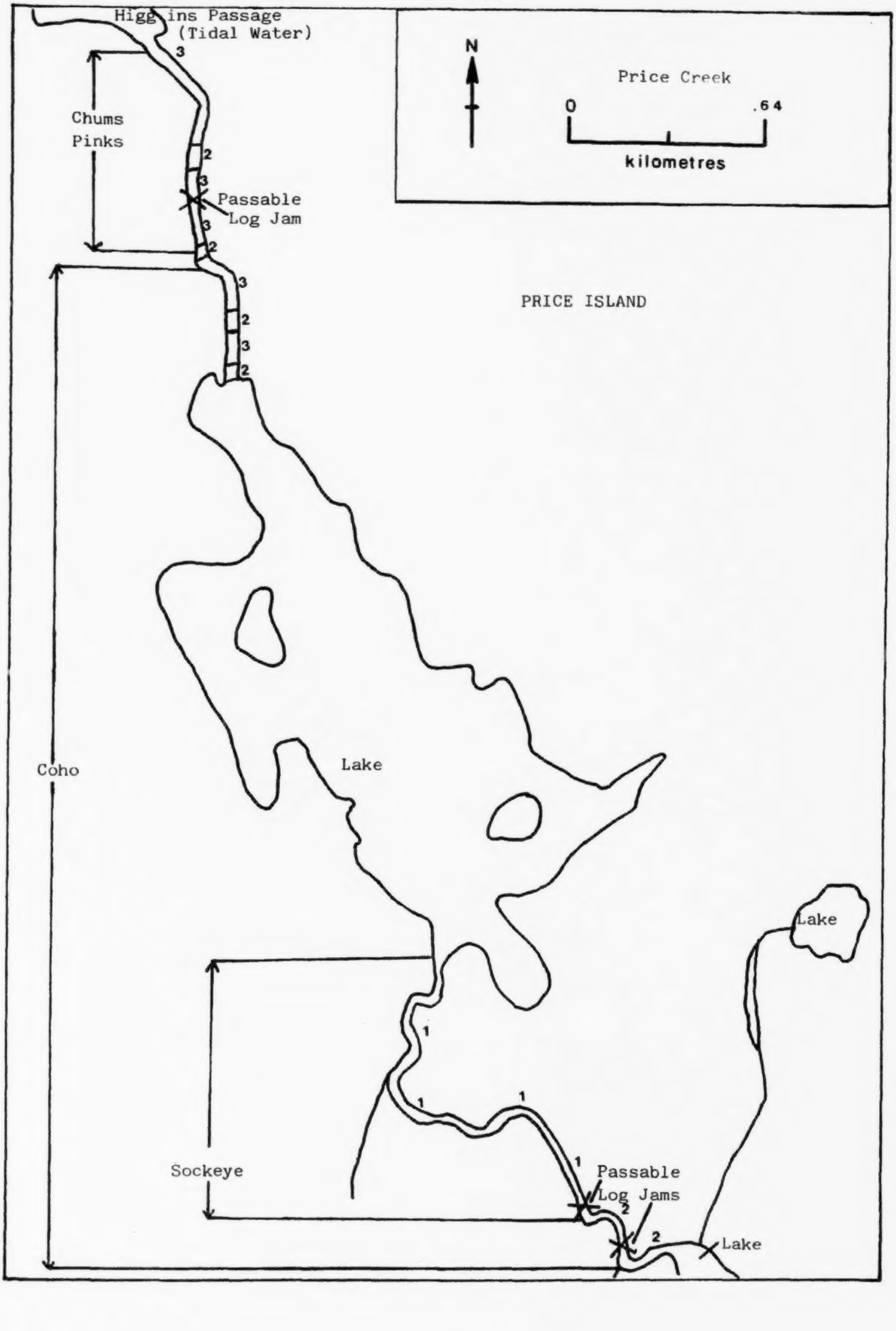
-1957. A good main run of large-size chums in late October

-1959. Late fall chum run was delayed

-1965. Guard stationed at creek mouth provided adequate protection for sockeye

GENERAL REMARKS (cont'd) Price Creek

stocks migrating upstream
-1967. Small percentage of stock taken annually by Indian food fishery
-1968. Slight digging by chums of pink salmon eggs deposited in the lower reaches
-1978, 1980. Winter flood conditions
- Subject to seasonal fluctuations in water levels
- Predation by bears, wolves, and eagles


Higgins Passage
(Tidal Water)
Chums
Pinks
Passable
Log Jam
N
Price Creek
0
.64
kilometres
PRICE ISLAND
Coho
Lake
Lake
Sockeye
Passable
Log Jams
Lake
1
2
3

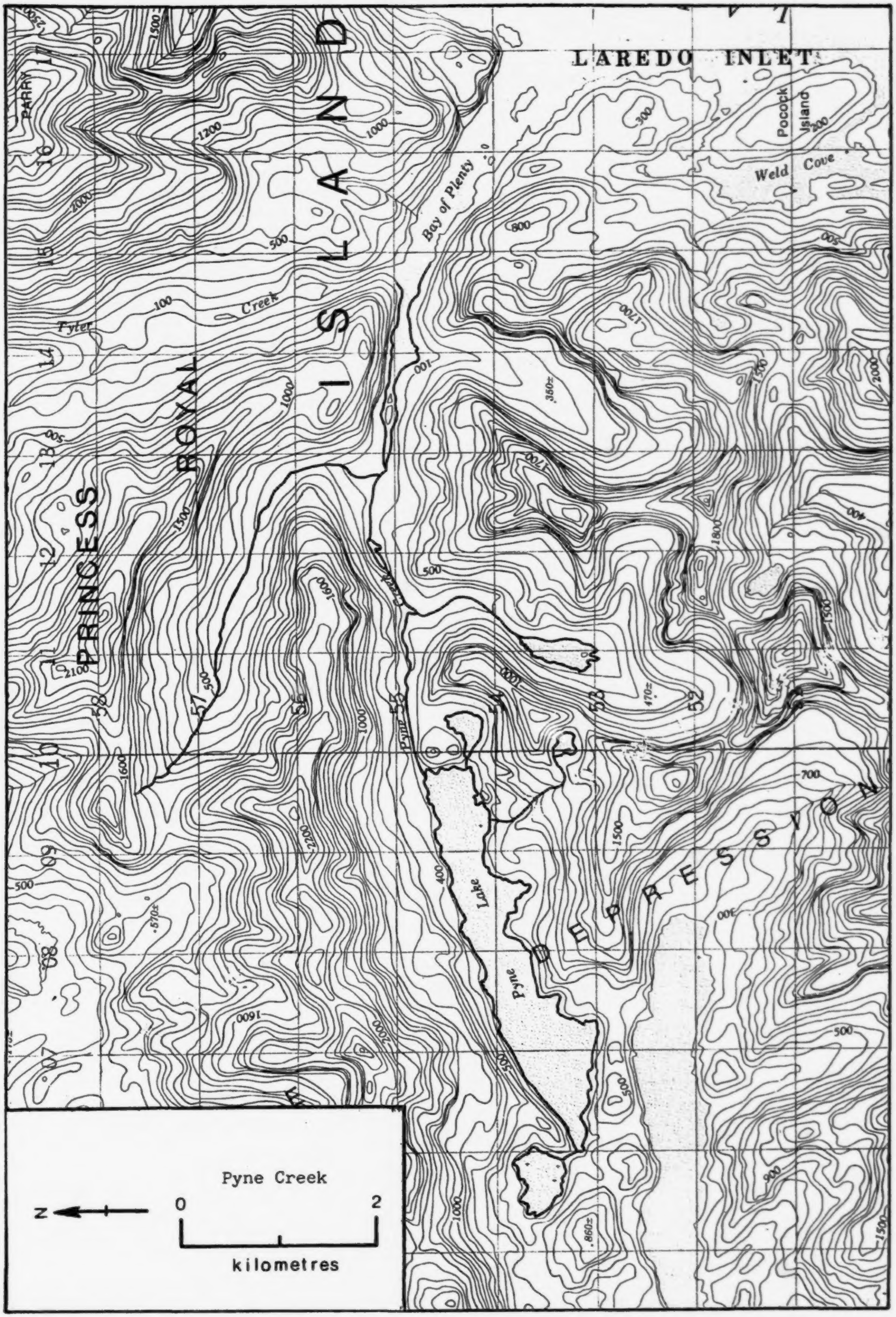
ESCAPEMENT RECORD FOR (Price Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | 7500 | | 750 | 35000 | 750 | |
| 48 | | | 1500 | | 750 | |
| 49 | 3500 | | 1500 | 35000 | 1500 | |
| 50 | 7500 | | 750 | 15000 | 400 | |
| 51 | 4000 | | 1350 | 14000 | 500 | |
| 52 | | | | | 1500 | |
| 53 | 3500 | | 15000 | 35000 | 1500 | |
| 54 | 3500 | | 1500 | 15000 | 1500 | |
| 55 | 750 | | 3500 | 15000 | 1500 | |
| 56 | 1500 | | 3500 | 3500 | 1500 | |
| 57 | 3500 | | 750 | 7500 | 75 | |
| 58 | 200 | | 750 | 1500 | 750 | |
| 59 | 400 | | 750 | 200 | 400 | |
| 60 | 750 | | 400 | 15000 | 1500 | |
| 61 | 400 | | 750 | 3500 | 200 | |
| 62 | 200 | | 750 | 1500 | 1500 | |
| 63 | 3500 | | 1500 | 7500 | 3500 | |
| 64 | 1500 | | 750 | 15000 | 25 | |
| 65 | 7500 | | 3500 | 3500 | 750 | |
| 66 | N/O | | N/O | 3000 | N/O | |
| 67 | 3500 | | 750 | 25 | N/O | |
| 68 | 1500 | | 200 | 3500 | 1500 | |
| 69 | 500 | | 200 | 100 | N/O | |
| 70 | 750 | | 200 | 200 | N/O | |
| 71 | 750 | | 75 | 200 | N/O | |
| 72 | 750 | | 200 | 400 | 200 | |
| 73 | 4000 | | 500 | 3000 | 50 | |
| 74 | 800 | | 50 | 1000 | 350 | |
| 75 | 500 | | | 3500 | 6000 | |
| 76 | 100 | | 50 | 500 | 2000 | |
| 77 | UNK | | 500 | 3000 | 250 | |
| 78 | 500 | | 300 | 10000 | 2000 | |
| 79 | 500 | | 100 | 2000 | 200 | |
| 80 | 700 | | 200 | 2000 | 1000 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | JULY | | SEPT | M. SEPT | L. AUG | |
| START | M. SEPT | | L. SEPT | M. SEPT | E. SEPT | |
| PEAK | L. SEPT | | OCT | M. OCT | M. SEPT | |
| END | E. OCT | | NOV | L. OCT | L. SEPT | |

REMARKS


Pyne Creek
N
0
2
kilometres
PRINCESS ROYAL ISLAND
LAREDO INLET
Pocock Island
Weld Cove
Bay of Plenty
Fyler Creek
Pyne Creek
Pyne Lake
DEPRESSION
PARRY

NAME OF STREAM PYNE CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows SE. into Laredo Inlet, Rge. 3, Coast Dist.

POSITION 52°N 128°W

LENGTH 4.8 km WIDTH ______ m DRAINAGE ______ $km^2$

COMPOSITION: BEDROCK ______ BOULDER ______ COARSE ______ FINE ______

SILT & SAND ______ UNCLASSIFIED ______

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA ______ $m^2$ SPAWNING AREA ______ $m^2$

DISCHARGE ($m^3/s$) ______

TEMPERATURE (°C) ______

BARRIERS OR POINTS OF DIFFICULT ASCENT ______

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - upper reaches |
| CHUM | - lower reaches |
| PINK (ODD YEAR) | - lower reaches |
| PINK (EVEN YEAR) | - lower reaches |
| STEELHEAD | |

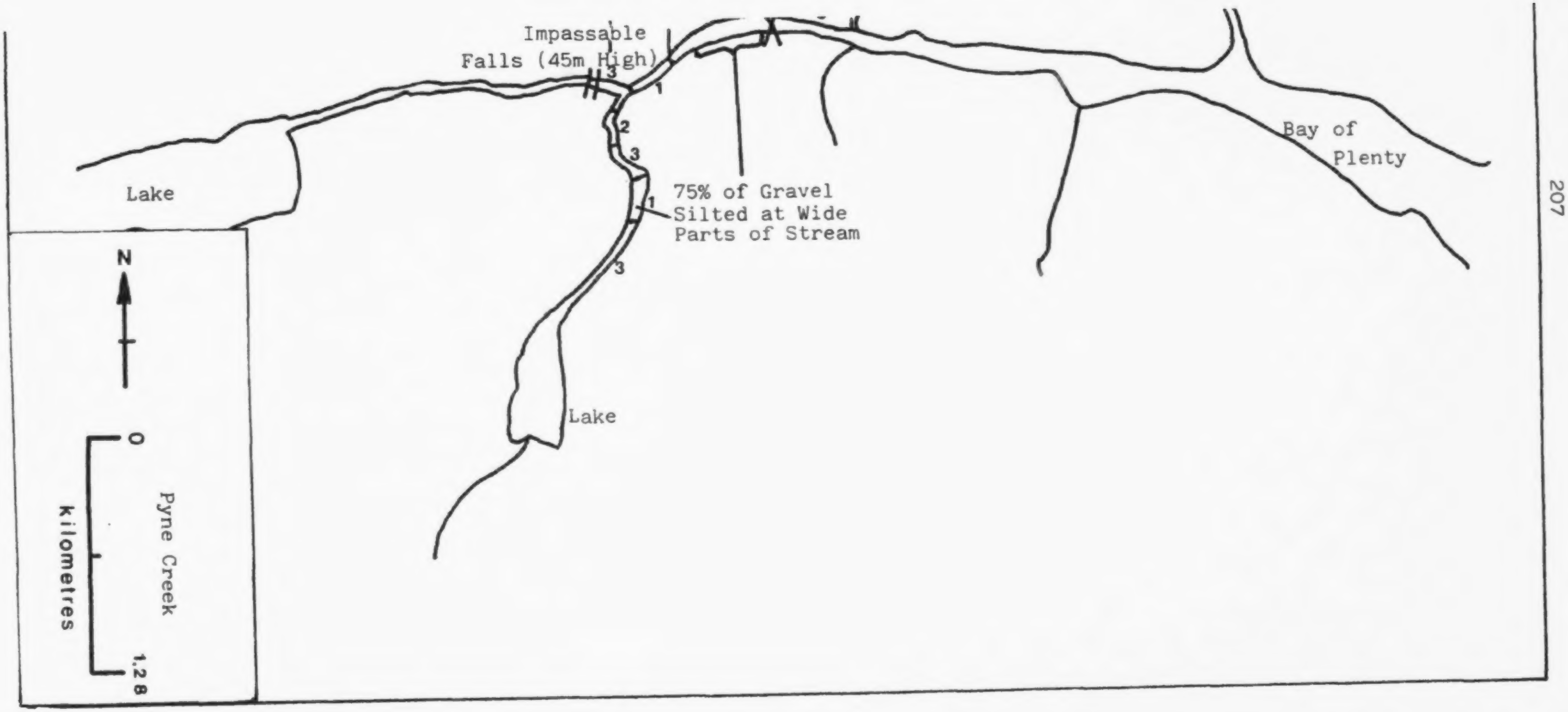
POTENTIAL OF INACCESSIBLE PORTION OF STREAM ______

GENERAL REMARKS

-1956. Area closed to all net fishing
-1957. Surveyed windfall debris located 4.8 km from stream mouth
-1958. Cleared stream of debris
-1961. Blew up log jams formed in 1960
-1964. Observed an early run of chums and a good pink run
-1965. Low water conditions prevented pinks and chums from moving upstream until late September and prompted pink salmon to spawn extensively in salt water
-1967. Poor spawning conditions in 1965 resulted in a nil return for all species
-1971. Some siltation observed in slow moving areas
-1974. High water conditions hampered inspection
-1978, 1980. Winter flooding
- Good gravel 8.0-9.5 km upstream

GENERAL REMARKS (cont'd) Pyne Creek

- Protected by revised Laredo Inlet boundaries
- Subject to seasonal fluctuations in water levels
- Some predation by bears, wolves, seals, and birds

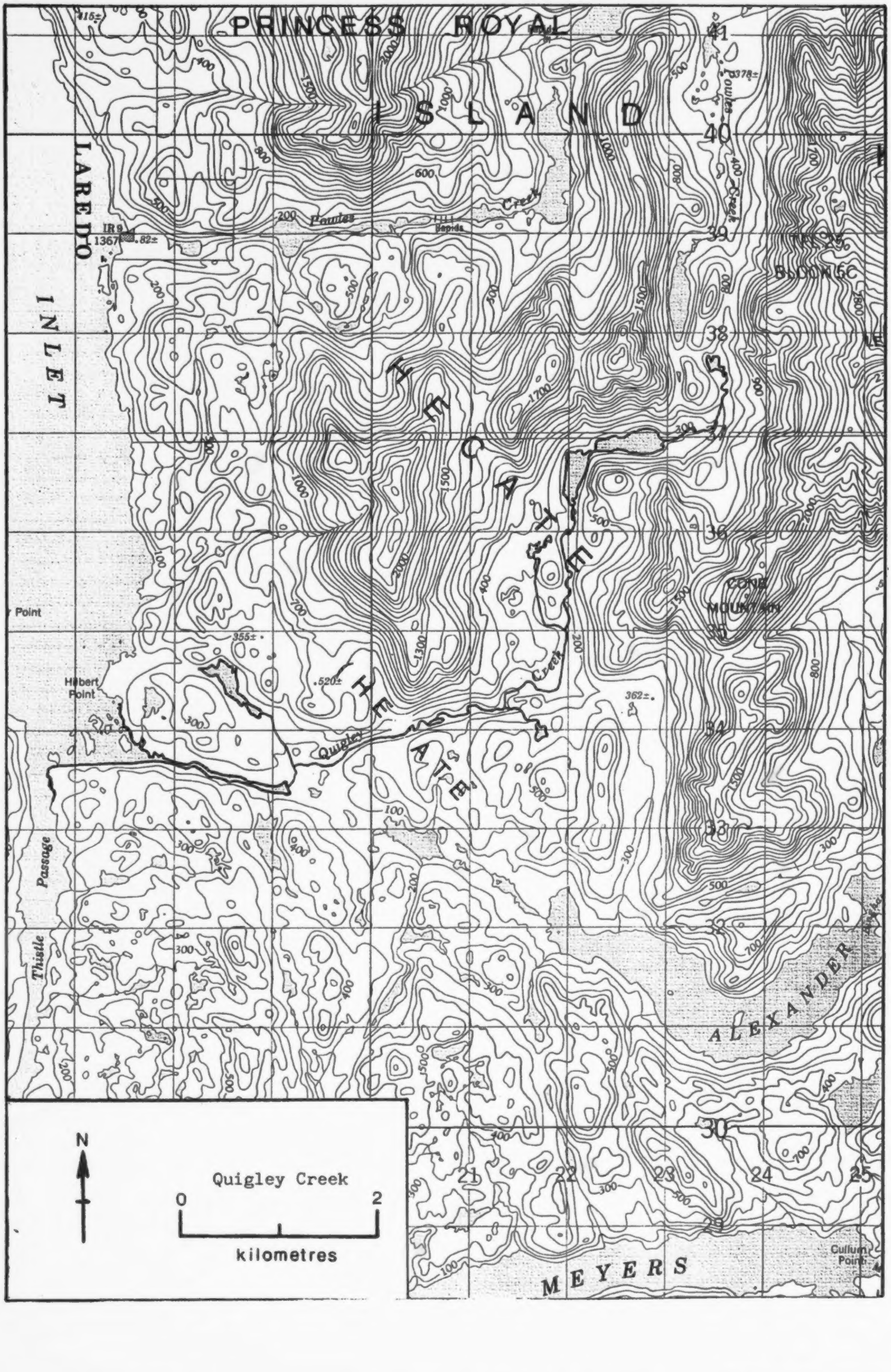

Impassable
Falls (45m High)
3
1
2
3
3
1
3
75% of Gravel
Silted at Wide
Parts of Stream
Bay of
Plenty
Lake
Lake
N
0
1.28
kilometres
Pyne Creek

ESCAPEMENT RECORD FOR PYNE CREEK

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 750 | 1500 | 750 | |
| 48 | | | 1500 | | 3500 | |
| 49 | | | 400 | 3500 | 750 | |
| 50 | | | 1500 | 7500 | 3500 | |
| 51 | | | 700 | 1500 | 3000 | |
| 52 | | | | | 3500 | |
| 53 | | | 1500 | 3500 | 1500 | |
| 54 | | | 750 | 15000 | 1500 | |
| 55 | | | 750 | 75 | 25 | |
| 56 | | | 1500 | 750 | 750 | |
| 57 | | | 1500 | 7500 | 400 | |
| 58 | | | 25 | 7500 | 3500 | |
| 59 | | | 200 | 25 | 750 | |
| 60 | | | 400 | 1500 | 7500 | |
| 61 | 25 | | 200 | 750 | 400 | |
| 62 | N/O | | 400 | 7500 | 7500 | |
| 63 | N/O | | 750 | 400 | 400 | |
| 64 | | | 200 | 3500 | 35000 | |
| 65 | UNK | | 1500 | 750 | 750 | |
| 66 | | | N/O | N/O | 3000 | |
| 67 | N/O | | N/O | N/O | N/O | |
| 68 | | | N/O | N/O | 15000 | |
| 69 | | | N/O | 350 | 150 | |
| 70 | | | N/O | 1500 | 1500 | |
| 71 | | | N/O | 200 | 400 | |
| 72 | | | N/O | 750 | 3500 | |
| 73 | | | 200 | 500 | 300 | |
| 74 | | | 25 | 400 | 200 | |
| 75 | | | 400 | N/O | N/O | |
| 76 | | | 100 | 2000 | 1500 | |
| 77 | | | 25 | 1500 | 750 | |
| 78 | | | 100 | 800 | 2000 | |
| 79 | | | 200 | 1500 | 150 | |
| 80 | | | 100 | 625 | 500 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

| TIMING | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | | | |
| START | | | | | | |
| PEAK | | | | | | |
| END | | | | | | |

REMARKS


PRINCESS ROYAL
ISLAND
LAREDO
INLET
Thistle
Passage
Hibert
Point
Point
IR 9
1367
Pawles
Creek
Rapids
HECATE
HECATE
Quigley
Creek
CONE
MOUNTAIN
TFL 25
BLOCK 5C
ALEXANDER
MEYERS
Cullum
Point
Quigley Creek
N
0
2
kilometres
21
22
23
24
25
29
30
32
33
34
35
36
37
38
39
40
41

NAME OF STREAM QUIGLEY CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Laredo Inlet, Rge. 3, Coast Dist.

POSITION 52° 128° NW

LENGTH 8.0 km WIDTH m DRAINAGE km$^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m$^2$ SPAWNING AREA m$^2$

DISCHARGE (m$^3$/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 3.0 km, except to coho

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - upper reaches and lake |
| CHINOOK | |
| COHO | - upper reaches and lake |
| CHUM | - lower and tidal reaches |
| PINK (ODD YEAR) | - lower and tidal reaches |
| PINK (EVEN YEAR) | - lower and tidal reaches |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1958. Low water prevented sockeye from ascending falls, but no salt water mortality

-1960. Wearing of rock at second falls has changed the water action , and unless water conditions are ideal, fish experience difficulty negotiating falls

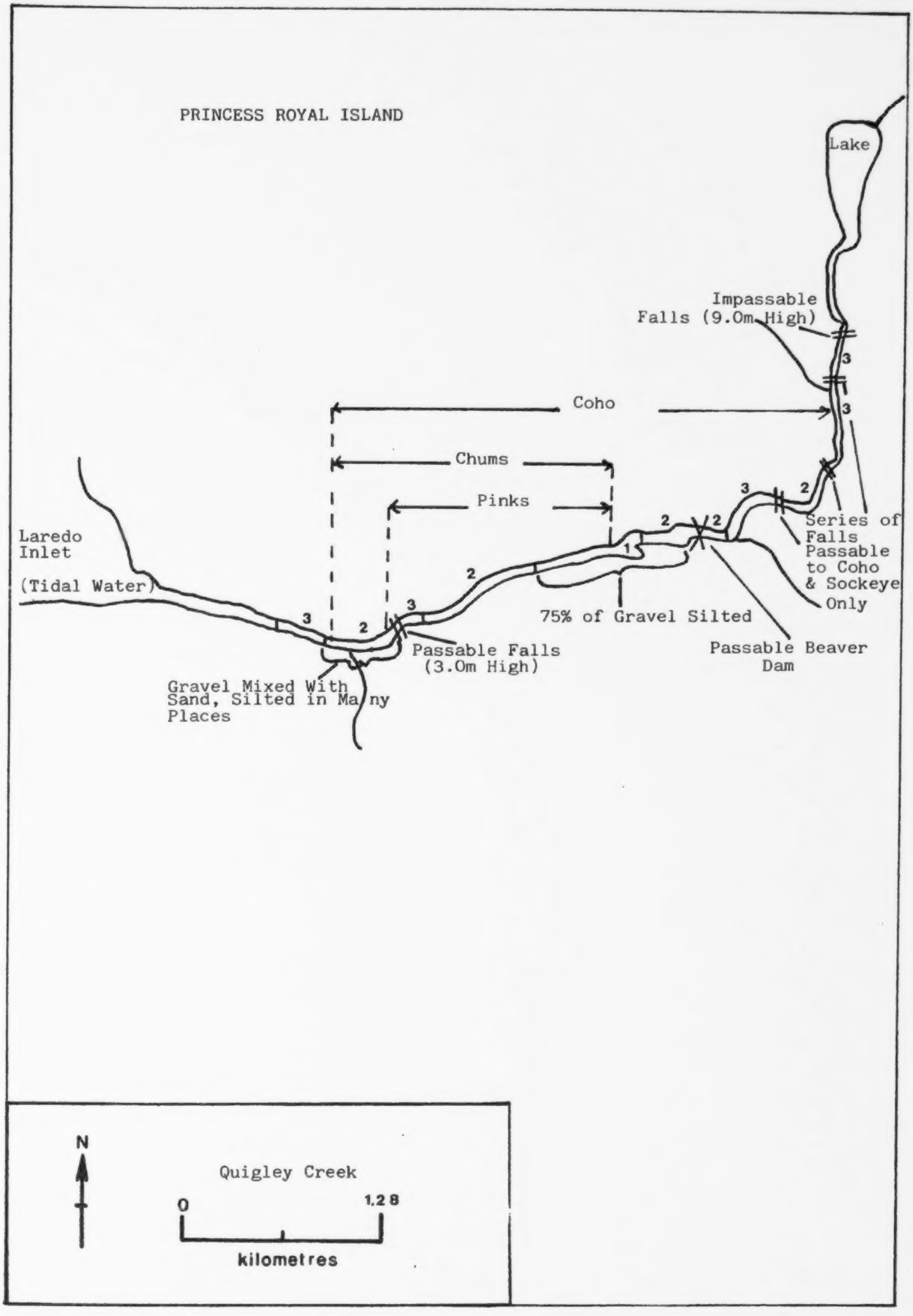
-1965. Upstream migration delayed by low water. Sockeye runs easily poached

-1967. Poor returns noted because of poor spawning in 1965

-1972. Low water levels delayed upstream migration until mid September

-1974, 1978, 1980. Flood conditions in winter

- Lower 0.8 km of stream are tidal
- Subject to seasonal fluctuations in water levels
- Some predation by bears, wolves, and eagles


PRINCESS ROYAL ISLAND
Lake
Impassable Falls (9.0m High)
Coho
Chums
Pinks
Series of Falls Passable to Coho & Sockeye Only
Laredo Inlet
(Tidal Water)
75% of Gravel Silted
Passable Beaver Dam
Passable Falls (3.0m High)
Gravel Mixed With Sand, Silted in Many Places
1
2
3
N
Quigley Creek
0
1.28
kilometres

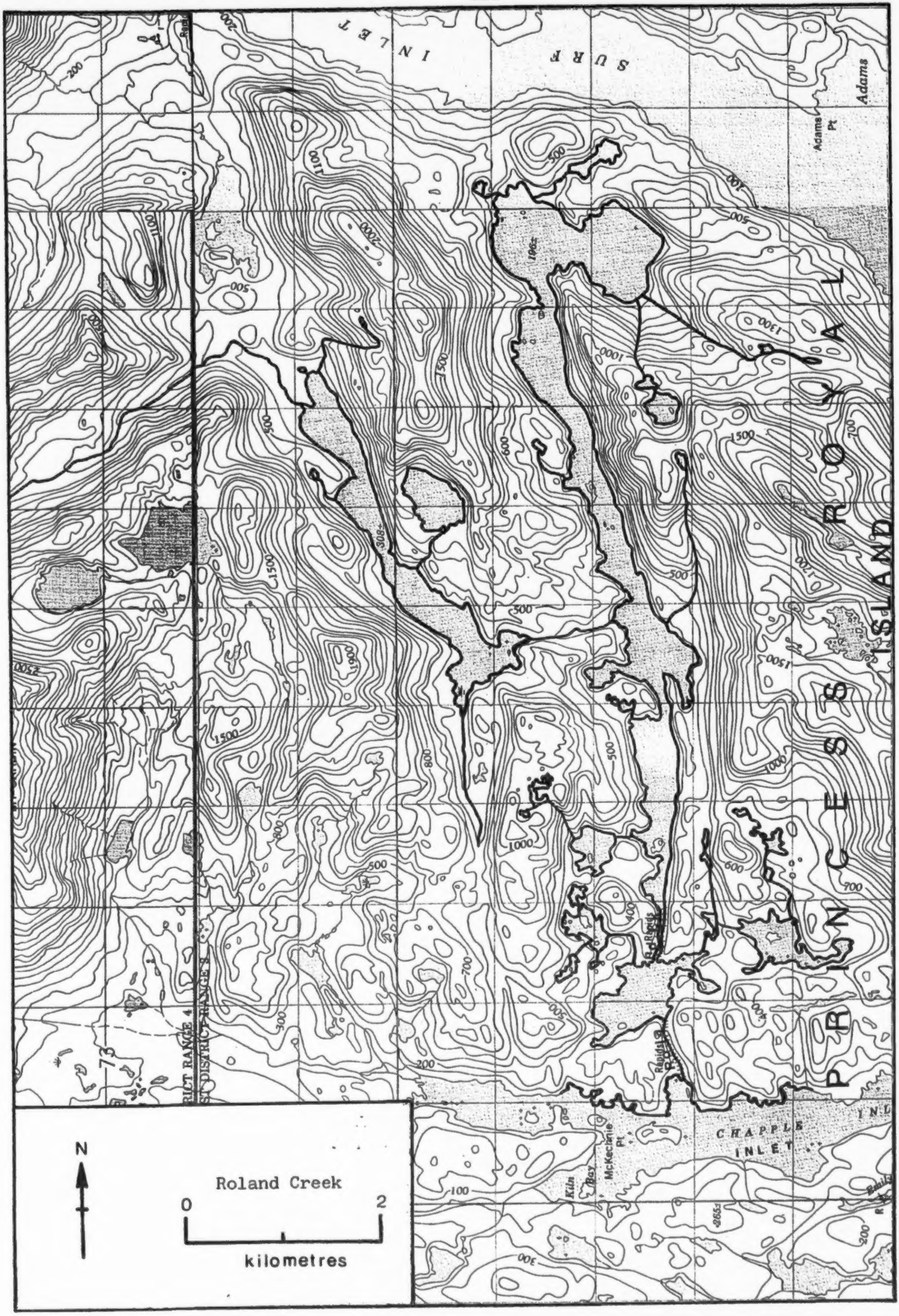
ESCAPEMENT RECORD FOR QUIGLEY CREEK

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | 200 | | 400 | 200 | 75 | |
| 48 | | | 400 | | 75 | |
| 49 | 400 | | 200 | 75 | 25 | |
| 50 | 750 | | 400 | 750 | 1500 | |
| 51 | 50 | | 500 | 50 | 100 | |
| 52 | | | | | 1500 | |
| 53 | 400 | | 200 | 25 | 75 | |
| 54 | 750 | | 400 | 25 | 1500 | |
| 55 | 25 | | 400 | 25 | 75 | |
| 56 | 400 | | 400 | 75 | 1500 | |
| 57 | 400 | | 400 | 400 | N/O | |
| 58 | 400 | | 25 | 25 | 400 | |
| 59 | 400 | | 400 | 25 | 25 | |
| 60 | N/O | | N/O | | 25 | |
| 61 | N/O | | 750 | 200 | 750 | |
| 62 | 75 | | 750 | 75 | 7500 | |
| 63 | 1500 | | 75 | 75 | 7500 | |
| 64 | 25 | | 400 | UNK | 1500 | |
| 65 | 750 | | 750 | 200 | 3500 | |
| 66 | N/O | | N/O | N/O | 250 | |
| 67 | N/O | | N/O | 400 | N/O | |
| 68 | 75 | | 1500 | 750 | 7500 | |
| 69 | N/O | | 200 | 300 | 120 | |
| 70 | N/O | | 200 | 400 | 1500 | |
| 71 | N/O | | 400 | 25 | 75 | |
| 72 | N/O | | 200 | N/O | 400 | |
| 73 | N/O | | 300 | N/O | 100 | |
| 74 | | | 150 | N/O | 300 | |
| 75 | | | N/O | N/O | 75 | |
| 76 | | | 100 | N/O | 2000 | |
| 77 | | | 1000 | | 160 | |
| 78 | | | 100 | | 800 | |
| 79 | | | 500 | | 400 | |
| 80 | | | 200 | | 200 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | L. AUG | | E. SEPT | |
| START | | | SEPT | | M. SEPT | |
| PEAK | | | L. SEPT | | L. SEPT | |
| END | | | NOV | | E. OCT | |

REMARKS


Roland Creek
N
0
2
kilometres
SURF INLET
PRINCESS ROYAL ISLAND
CHAPPLE INLET
Adams Pt
Adams
Kiln Bay
McKecknie Pt
DISTRICT RANGE 4
DISTRICT RANGE 5

NAME OF STREAM (Roland Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Chapple Inlet, Rge. 3, Coast Dist.

POSITION 52°48'N 128°55' W

LENGTH 6.0 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

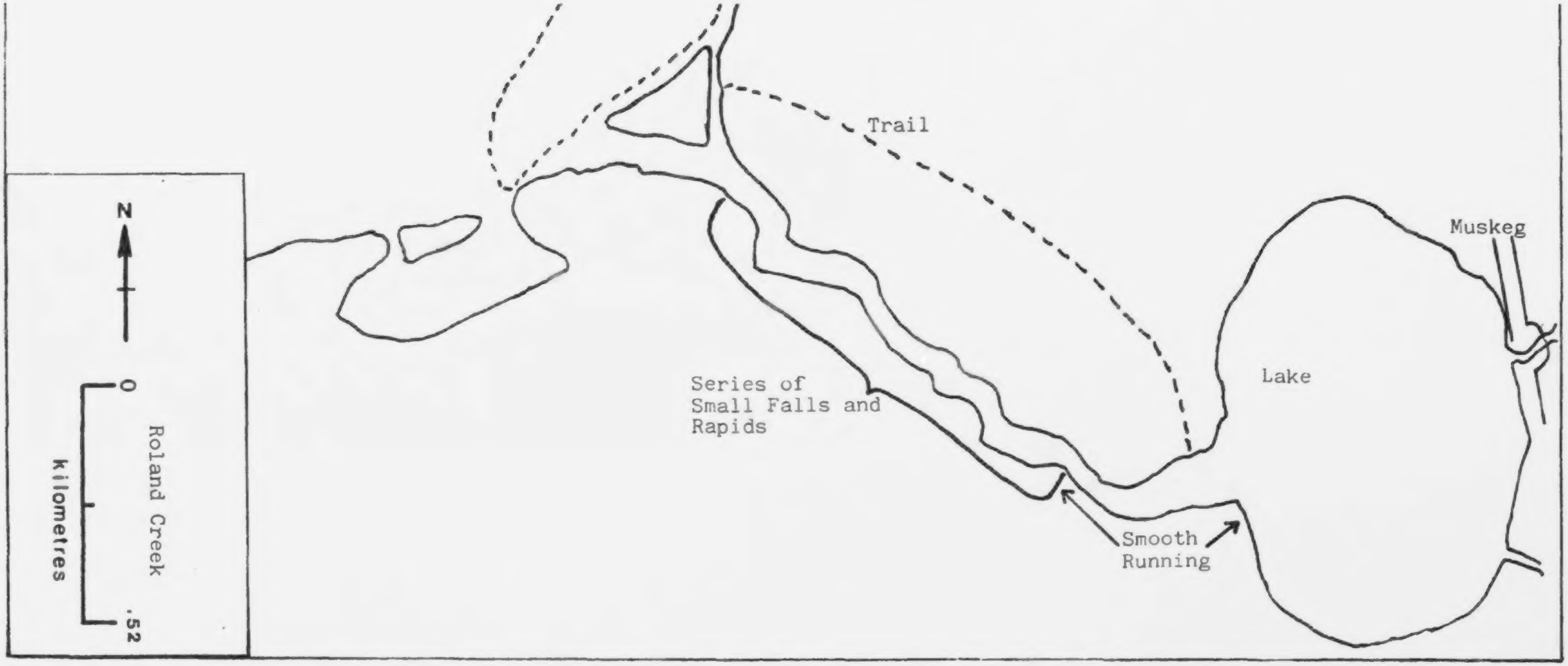
SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - throughout (upper reaches) |
| CHUM | - in small streams tributary to lake |
| PINK (ODD YEAR) | - in small streams tributary to lake |
| PINK (EVEN YEAR) | - in small streams tributary to lake |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1951. Chum spawning declined from brood year due to low water
-1957. Low water prompted tidal spawning
-1965. Low water delayed upstream migration until mid September
-1966. High water impaired inspection
-1968. Good coho run. Patrolmen assisted spawners over cascades because water levels were so low
-1970. Fast flow, small lakes and cascades not attractive to pinks and chums for spawning
-1974. Dark water impaired observation
-1974, 1978, 1980. Winter flooding
- Good spawning and rearing areas in creek
- Log debris surveyed annually and cleared as required
- Subject to seasonal fluctuations in water levels

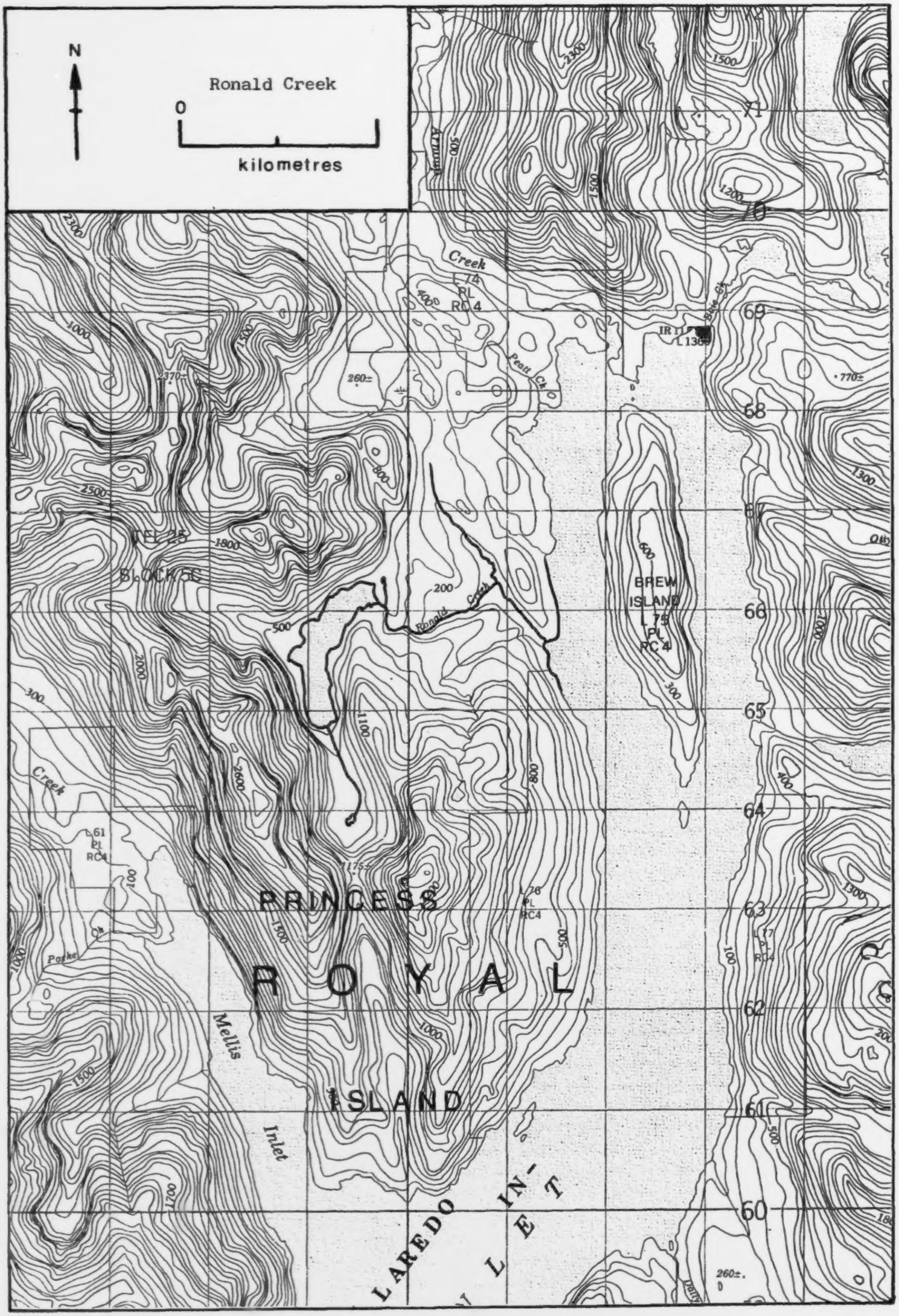

Trail
Muskeg
Lake
Series of Small Falls and Rapids
Smooth Running
N
0
.52
kilometres
Roland Creek

ESCAPEMENT RECORD FOR (Roland Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | | 3500 | | |
| 48 | | | 75 | | 1500 | |
| 49 | | | 75 | 200 | 200 | |
| 50 | | | 75 | 400 | 75 | |
| 51 | | | 100 | 50 | 100 | |
| 52 | | | | | 1500 | |
| 53 | | | 75 | 200 | 75 | |
| 54 | | | 75 | 1500 | 750 | |
| 55 | | | 400 | 3500 | 1500 | |
| 56 | | | 1500 | 750 | 3500 | |
| 57 | | | 200 | 400 | 400 | |
| 58 | | | 400 | 400 | 750 | |
| 59 | | | 200 | 25 | 400 | |
| 60 | | | 400 | 1500 | 1500 | |
| 61 | | | 400 | 200 | 400 | |
| 62 | | | 750 | 1500 | 3500 | |
| 63 | | | 15000 | 3500 | 750 | |
| 64 | | | 7500 | 3500 | 3500 | |
| 65 | | | 400 | 200 | 1500 | |
| 66 | | | N/O | N/O | N/O | |
| 67 | | | 750 | N/O | N/O | |
| 68 | | | 3500 | N/O | N/O | |
| 69 | | | N/O | | N/O | |
| 70 | | | 1500 | N/O | N/O | |
| 71 | | | 750 | N/O | N/O | |
| 72 | | | 750 | N/O | N/O | |
| 73 | | | 500 | N/O | N/O | |
| 74 | | | 1500 | N/O | 500 | |
| 75 | | | 700 | N/O | N/O | |
| 76 | | | N/O | | N/O | |
| 77 | | | 200 | | | |
| 78 | | | 400 | | N/O | |
| 79 | | | 400 | | | |
| 80 | | | 500 | | | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

| TIMING | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | E. SEPT | | | |
| START | | | M. SEPT | | | |
| PEAK | | | OCT | | | |
| END | | | NOV | | | |

REMARKS


N
Ronald Creek
0
kilometres
Creek
L 74
PL
RC 4
Peatt Ck
IR 11
L 1369
TFL 25
BLOCK 5C
Ronald Creek
BREW
ISLAND
L 75
PL
RC 4
Creek
L 61
PL
RC4
L 78
PL
RC4
L 77
PL
RC4
Parke
PRINCESS
ROYAL
ISLAND
Mellis
Inlet
LAREDO IN-
LET
72
71
70
69
68
67
66
65
64
63
62
61
60
2300
1500
1200
500
1000
2370±
260±
400
770±
2500
1800
800
1300
600
200
500
2000
300
1100
2600
400
100
1175±
1500
1300
1000
1000
500
1500
1700
260±

NAME OF STREAM RONALD CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows SE. into head of Laredo Inlet, Rge. 3, Coast Dist.

POSITION 52° 128° NW

LENGTH 2 .4 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

| PERCENT GRADIENT | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Passable falls to coho at 0.5 km

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - throughout |
| CHUM | - to falls located about 0.4 km upstream |
| PINK (ODD YEAR) | - to falls located about 0.4 km upstream |
| PINK (EVEN YEAR) | - to falls located about 0.4 km upstream |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1966. High flows hampered survey of spawning grounds

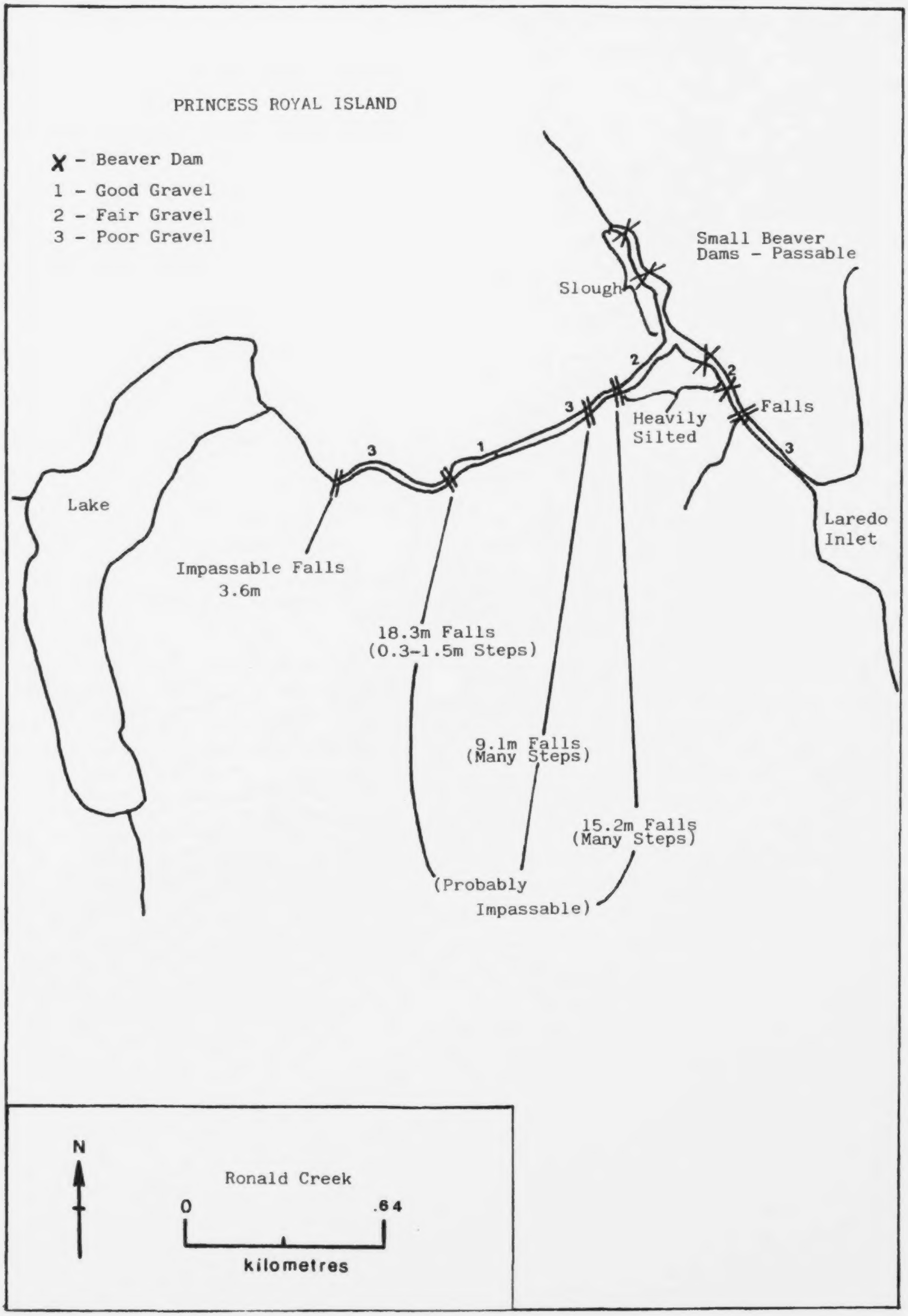
-1971. Some silted gravel (see sketch map for location)

-1972. Low water in stream prevented fish from clearing the falls near the mouth and restricted them to the lower reaches

-1974, 1978, 1980. Probable scouring and erosion of streambed caused by winter flooding

-1979. Dark coloured water made observations difficult

- Passable cascades 1.6-4.0 km from mouth difficult to negotiate when flows are low
- Steep, rock creek bed
- Subject to seasonal fluctuations in water levels
- Light predation by bears and wolves

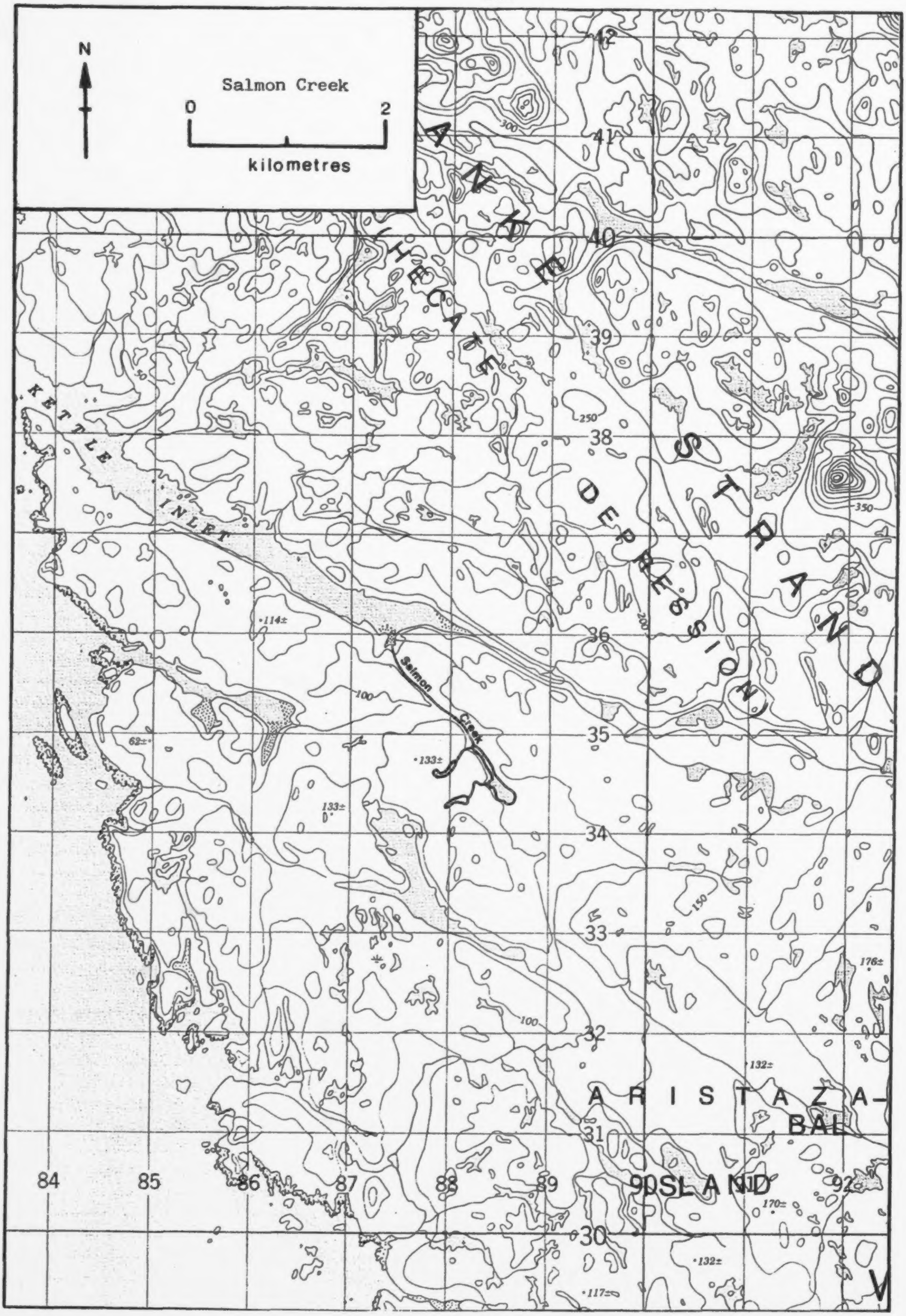

PRINCESS ROYAL ISLAND
X - Beaver Dam
1 - Good Gravel
2 - Fair Gravel
3 - Poor Gravel
Small Beaver Dams - Passable
Slough
Falls
Heavily Silted
Laredo Inlet
Lake
Impassable Falls 3.6m
18.3m Falls (0.3-1.5m Steps)
9.1m Falls (Many Steps)
15.2m Falls (Many Steps)
(Probably Impassable)
1
2
3
N
Ronald Creek
0
.64
kilometres

ESCAPEMENT RECORD FOR RONALD CREEK

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 75 | 25 | 25 | |
| 48 | | | 75 | | 750 | |
| 49 | | | 25 | 75 | 25 | |
| 50 | | | 750 | 25 | 400 | |
| 51 | | | 100 | 50 | 50 | |
| 52 | | | | | 25 | |
| 53 | | | 25 | 25 | 25 | |
| 54 | | | 25 | 25 | 25 | |
| 55 | | | 25 | 25 | 25 | |
| 56 | | | 25 | 25 | 400 | |
| 57 | | | N/O | 25 | N/O | |
| 58 | | | 200 | N/O | 75 | |
| 59 | | | 200 | 25 | 25 | |
| 60 | | | 75 | 75 | 75 | |
| 61 | | | 200 | 25 | 25 | |
| 62 | | | 200 | 1500 | 7500 | |
| 63 | | | 200 | 25 | 25 | |
| 64 | | | 200 | 1500 | 3500 | |
| 65 | | | N/O | N/O | N/O | |
| 66 | | | N/O | N/O | N/O | |
| 67 | | | N/O | 25 | N/O | |
| 68 | | | N/O | 1500 | N/O | |
| 69 | | | N/O | N/O | N/O | |
| 70 | | | N/O | 25 | N/O | |
| 71 | | | N/O | N/O | N/O | |
| 72 | | | | 75 | 400 | |
| 73 | | | | 300 | 50 | |
| 74 | | | | 200 | 50 | |
| 75 | | | 350 | 350 | N/O | |
| 76 | | | | N/O | N/O | |
| 77 | UNK | | UNK | N/O | | |
| 78 | | | N/O | N/O | N/O | |
| 79 | | | N/O | N/O | | |
| 80 | | | 25 | 75 | 15 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

| TIMING | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | E. SEPT | | | |
| START | | | E. SEPT | | | |
| PEAK | | | M. SEPT | | | |
| END | | | L. SEPT | | | |

REMARKS


N
Salmon Creek
0
2
kilometres
A N K E
S T R A N D
HECATE
DEPRESSION
KETTLE INLET
Salmon Creek
A R I S T A Z A-
BAL
ISLAND
42
41
40
39
38
36
35
34
33
32
31
30
84
85
86
87
88
89
90
92
300
250
350
200
100
150
50
114±
62±
133±
133±
176±
132±
170±
132±
117±

NAME OF STREAM (Salmon Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows NW. into Kettle Inlet, Rge. 3, Coast Dist.

POSITION 53°30' N 130°13' W

LENGTH 10.5 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - lake |
| CHINOOK | |
| COHO | - lake |
| CHUM | - in stream and near mouth |
| PINK (ODD YEAR) | - in stream |
| PINK (EVEN YEAR) | - in stream |
| STEELHEAD | |

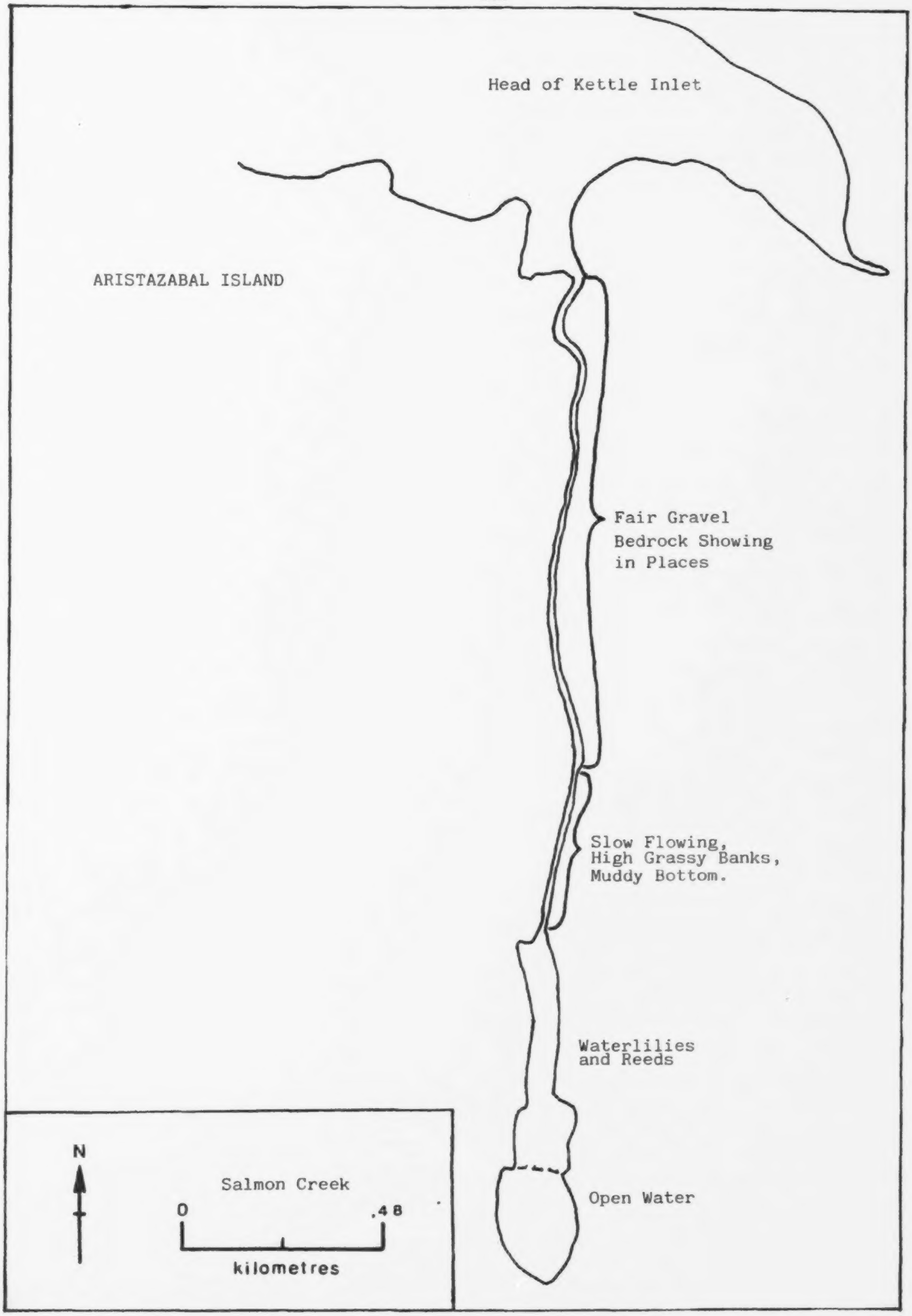
POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1966. Discoloured water impaired observations

-1969. Patrolmen suggest removal of stream from active records

- Limited production with no spawning potential
- Lake-fed stream
- Subject to seasonal low flows
- Some predation by birds, wolves, otters, and bears

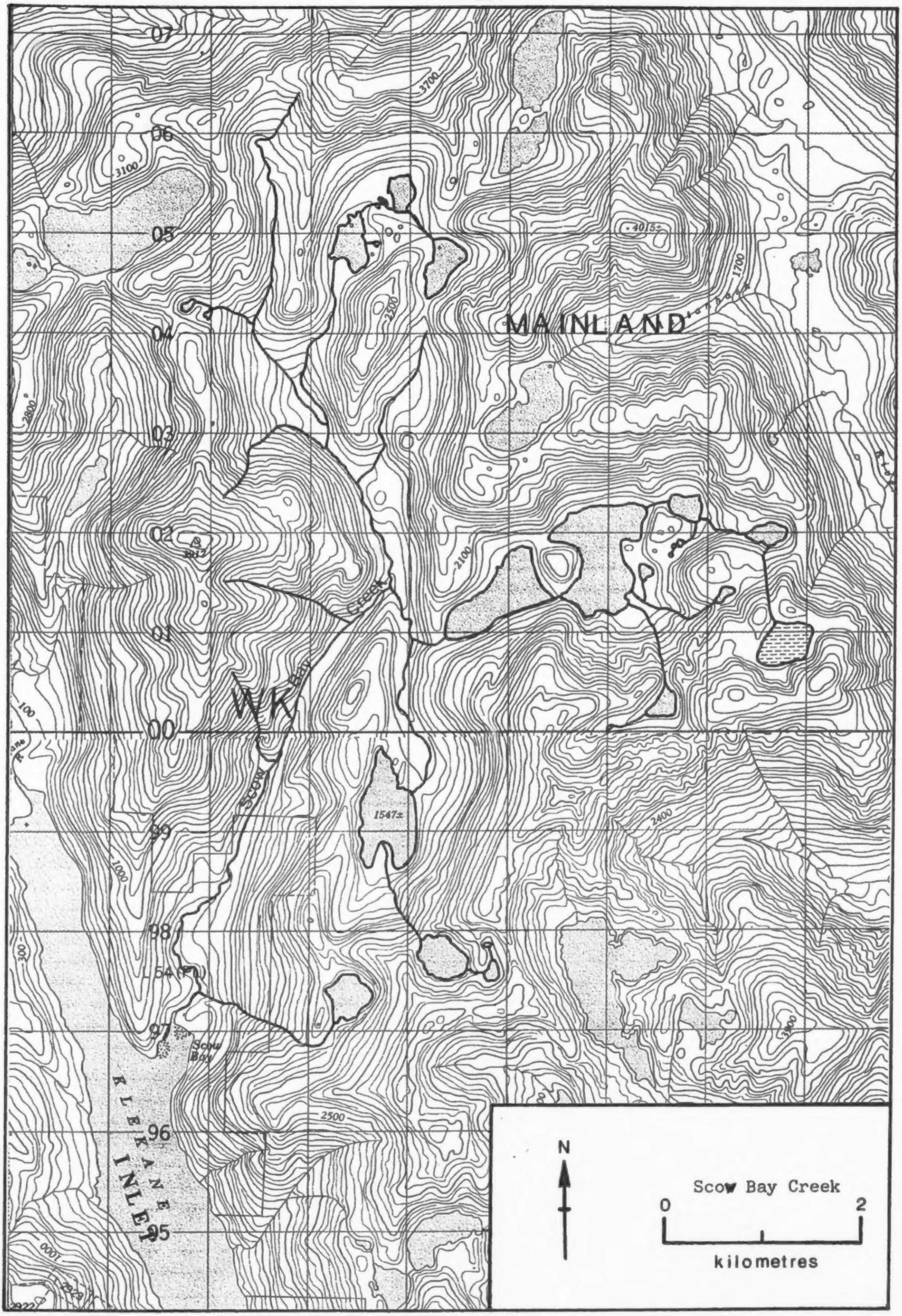

Head of Kettle Inlet
ARISTAZABAL ISLAND
Fair Gravel
Bedrock Showing
in Places
Slow Flowing,
High Grassy Banks,
Muddy Bottom.
Waterlilies
and Reeds
Open Water
N
Salmon Creek
0
.48
kilometres

ESCAPEMENT RECORD FOR (Salmon Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | 400 | | 7500 | 75 | 25 | |
| 48 | | | 7500 | | 25 | |
| 49 | 750 | | 7500 | 200 | 75 | |
| 50 | 400 | | 3500 | 200 | 25 | |
| 51 | 100 | | 3500 | 250 | 500 | |
| 52 | | | | | 1500 | |
| 53 | 750 | | 3500 | 400 | 200 | |
| 54 | 400 | | 7500 | 200 | 1500 | |
| 55 | 400 | | 1500 | 750 | 750 | |
| 56 | 200 | | 3500 | 750 | 3500 | |
| 57 | 400 | | 3500 | 750 | 750 | |
| 58 | 400 | | 3500 | 750 | 1500 | |
| 59 | 200 | | 750 | N/O | 200 | |
| 60 | 400 | | 3500 | 750 | 1500 | |
| 61 | 400 | | 750 | 25 | 200 | |
| 62 | 200 | | 1500 | 25 | 200 | |
| 63 | 200 | | 7500 | 200 | 1500 | |
| 64 | 400 | | 750 | 750 | N/O | |
| 65 | UNK | | UNK | 200 | N/O | |
| 66 | | | N/O | N/O | N/O | |
| 67 | | | N/O | 200 | N/O | |
| 68 | | | N/O | N/O | N/O | |
| 69 | | | N/O | N/O | N/O | |
| 70 | | | N/O | N/O | N/O | |
| 71 | | | N/O | N/O | N/O | |
| 72 | | | N/O | N/O | N/O | |
| 73 | | | N/O | 20 | N/O | |
| 74 | | | N/O | N/O | N/O | |
| 75 | | | N/O | N/O | N/O | |
| 76 | | | | | N/O | |
| 77 | | | | N/O | | |
| 78 | | | | 20 | | |
| 79 | | | | N/O | | |
| 80 | | | | N/O | | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

| TIMING | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | | | |
| START | | | | | | |
| PEAK | | | | | | |
| END | | | | | | |

REMARKS


07
06
05
04
03
02
01
00
99
98
97
96
95
3700
3100
4015±
1700
2500
MAINLAND
2800
3017
2100
Creek
Bay
Scow
WK
100
1547±
2400
1000
300
L54(PU)
Scow
Bay
KLEKANE
INLET
2500
N
Scow Bay Creek
0
2
kilometres

NAME OF STREAM (Scow Bay Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Klekane Inlet, Rge. 4, Coast Dist.

POSITION 53°15'N 128°40'W

LENGTH 8.0 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Rock falls 1.6 km from stream mouth difficult to negotiate at low flows

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - to 2.5 km |
| CHUM | - to 2.5 km |
| PINK (ODD YEAR) | - to 2.5 km |
| PINK (EVEN YEAR) | - to 2.5 km |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1951. Low flows delayed upstream migration until mid September

-1956. Klekane Inlet closure instigated

-1959. Klekane Inlet closure resulting in increased salmon stocks. Possible digging of previously spawned eggs deposited by late spawners in concentrated areas

-1964. Numbers down from brood year although some good fishing reported in nearby vicinity

-1965. Severe low flows caused crowding of pinks on lower spawning grounds

-1968. Low flows necessitated salvage of coho fry from isolated pools

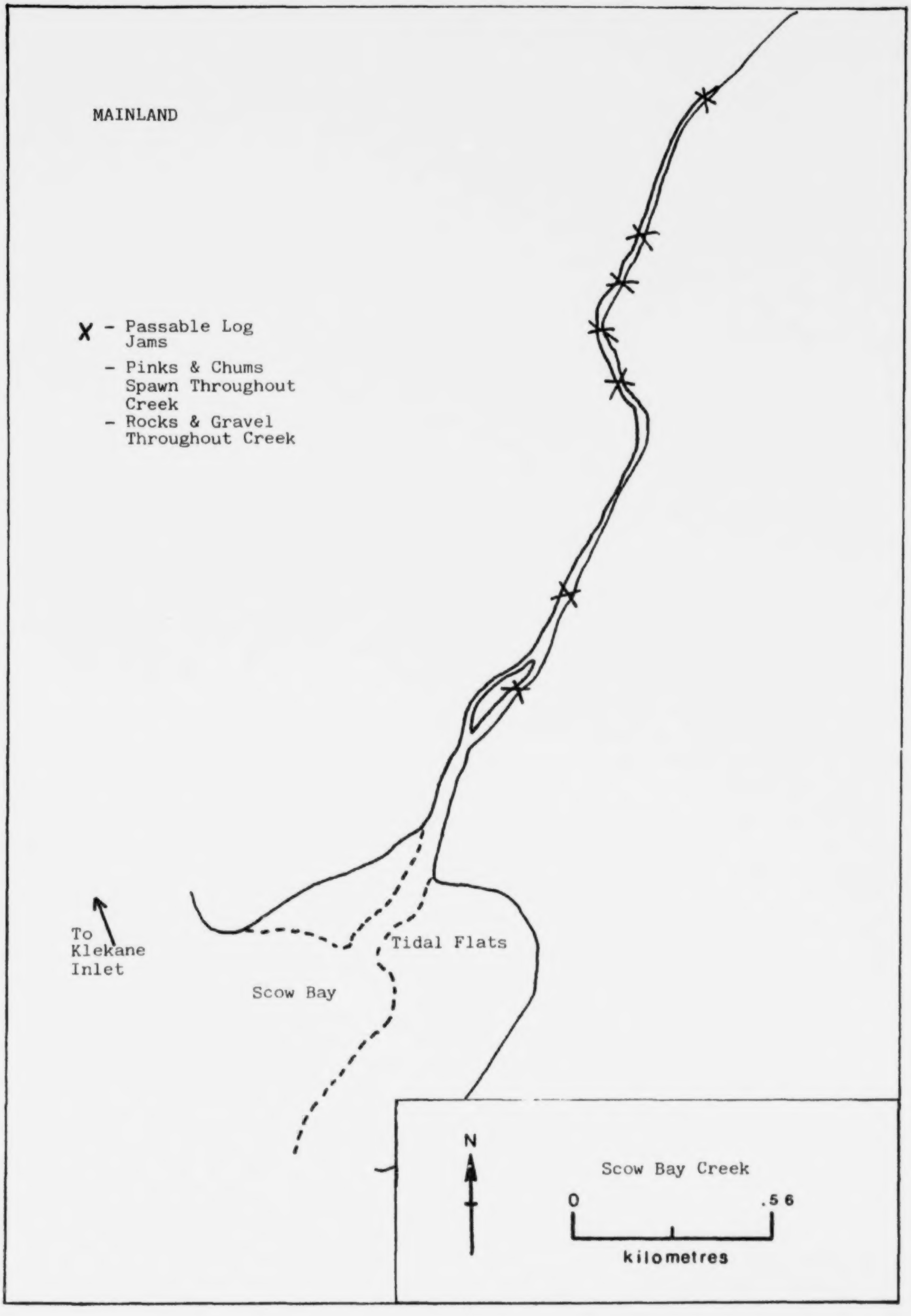
-1969. Numerous passable windfalls along length of creek

-1974, 1978, 1980. Winter flooding observed

- Small stream with good production figures
- Good spawning gravel in lower reaches
- No spawning habitat above rock falls

GENERAL REMARKS (cont'd) Scow Bay Creek

- Heaviest spawning near the mouth, but well distributed throughout available spawning area
- Subject to seasonal fluctuations in water levels
- Some predation by bears and birds


MAINLAND
X - Passable Log Jams
- Pinks & Chums Spawn Throughout Creek
- Rocks & Gravel Throughout Creek
To Klekane Inlet
Tidal Flats
Scow Bay
N
Scow Bay Creek
0
.56
kilometres

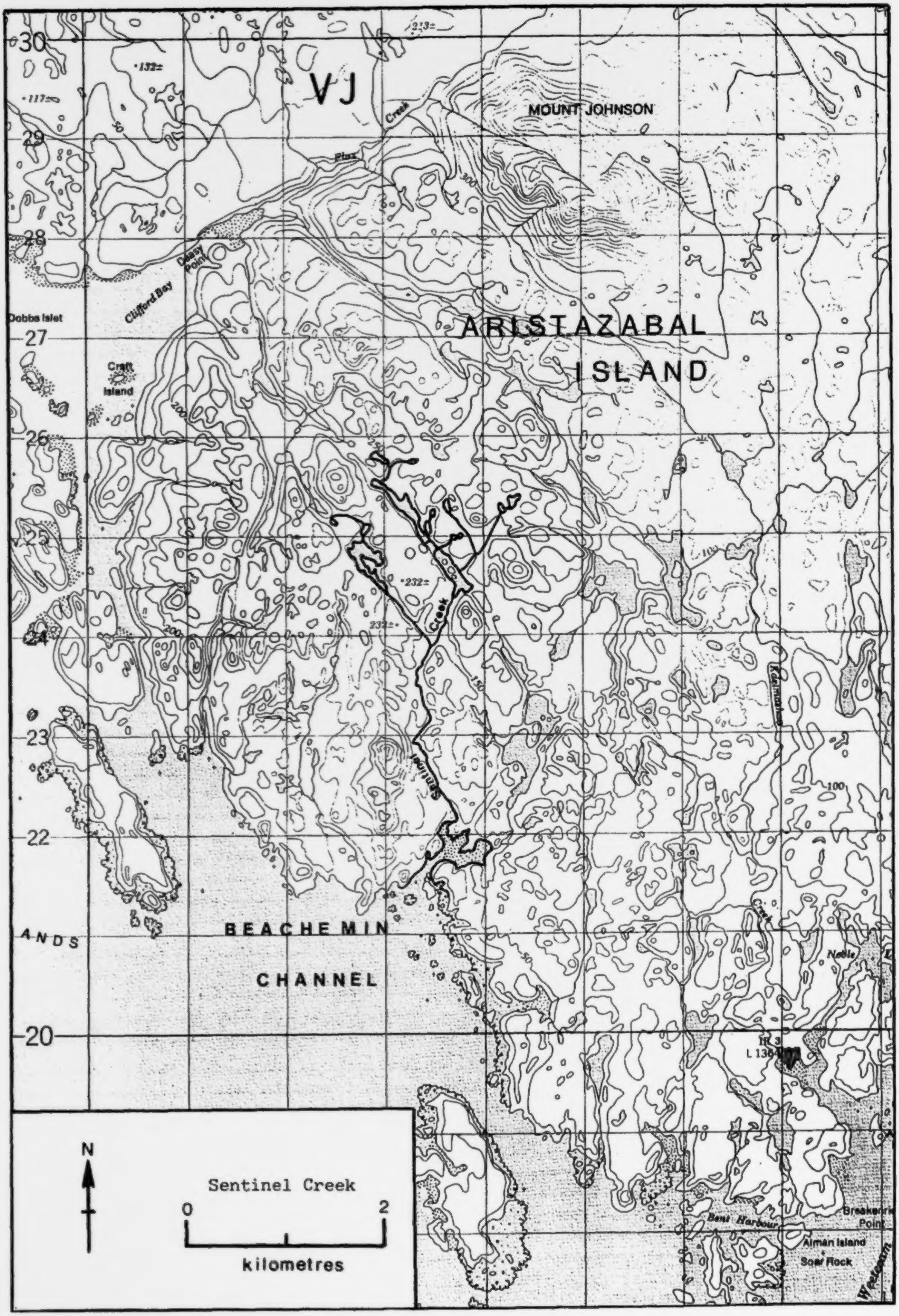
ESCAPEMENT RECORD FOR (Scow Bay Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 75 | 3500 | 3500 | |
| 48 | | | 400 | | 1500 | |
| 49 | | | 1500 | 750 | 15000 | |
| 50 | | | 75 | 400 | 750 | |
| 51 | | | 400 | 1800 | 8500 | |
| 52 | | | | | 3500 | |
| 53 | | | 75 | 7500 | 3500 | |
| 54 | | | 400 | 3500 | 7500 | |
| 55 | | | 75 | 75 | 3500 | |
| 56 | | | 400 | 750 | 7500 | |
| 57 | | | 3500 | 7500 | 3500 | |
| 58 | | | 3500 | 7500 | 35000 | |
| 59 | | 75 | 75 | 1500 | 35000 | |
| 60 | | | 750 | 7500 | 35000 | |
| 61 | | | 25 | 400 | 75000 | |
| 62 | | | 75 | 3500 | 35000 | |
| 63 | | | 1500 | 1500 | 35000 | |
| 64 | | | 75 | 3500 | 3500 | |
| 65 | | | 200 | 400 | 15000 | |
| 66 | | | 300 | 800 | 5000 | |
| 67 | | | 75 | 7500 | 7500 | |
| 68 | | | 200 | 7500 | 15000 | |
| 69 | | | 500 | 100 | 3000 | |
| 70 | | | 200 | 200 | 3500 | |
| 71 | | | 200 | 1500 | 10000 | |
| 72 | | | 200 | 3500 | 15000 | |
| 73 | | | 200 | 200 | 5000 | |
| 74 | | | 200 | 3000 | 1500 | |
| 75 | | | | 1800 | 7200 | |
| 76 | | | 20 | 100 | 6000 | |
| 77 | | | 10 | 55 | 3500 | |
| 78 | | | N/O | 6000 | 250 | |
| 79 | | | N/O | 100 | 15000 | |
| 80 | | | 15 | 70 | 4600 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | SEPT | M. AUG | M. AUG | |
| START | | | L. SEPT | E. SEPT | L. AUG | |
| PEAK | | | OCT | E. SEPT | M. SEPT | |
| END | | | NOV | L. SEPT | L. SEPT | |

REMARKS


30
29
28
27
26
25
24
23
22
20
132±
117±
213±
VJ
Flax
Creek
MOUNT JOHNSON
300
Daisy Point
Clifford Bay
Dobbs Islet
Craft Island
ARISTAZABAL
ISLAND
200
232±
232±
Creek
150
Sentinel
100
100
BEACHEMIN
CHANNEL
ANDS
Creek
Noble
IR 3
L 136
Bent Harbour
Breakenridge Point
Alman Island
Soar Rock
N
Sentinel Creek
0
2
kilometres

NAME OF STREAM (Sentinel Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows S. into Beauchemin Chan., Rge. 3, Coast Dist.

POSITION 52°25'N 129°02'W

LENGTH 4 .8 km WIDTH m DRAINAGE km$^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m$^2$ SPAWNING AREA m$^2$

DISCHARGE (m$^3$/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - upper reaches to lake and above |
| CHUM | - lower reaches |
| PINK (ODD YEAR) | - in sandy section - 1.2-2.0 km from mouth |
| PINK (EVEN YEAR) | - lower reaches |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

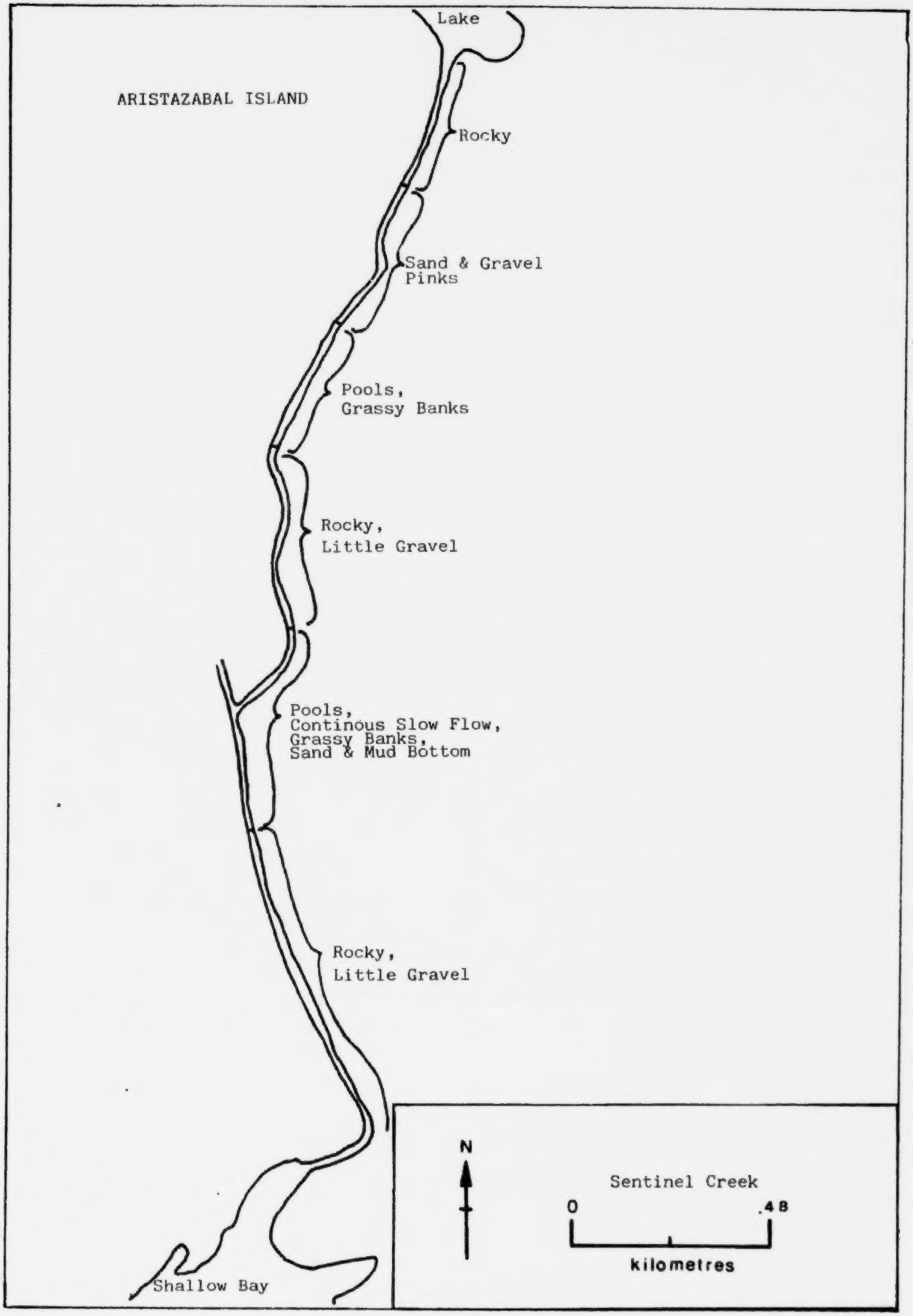
GENERAL REMARKS

-1951. Severe drought effected upstream migration of sockeye

-1966. Turbid water hampered inspection

-1974, 1978, 1980. Some scouring and erosion of streambed as a result of flooding

- Some good spawning areas in stream
- Steep and rocky creek bed
- Subject to seasonal fluctuations in water levels
- Light predation by bears, wolves, otters, and birds

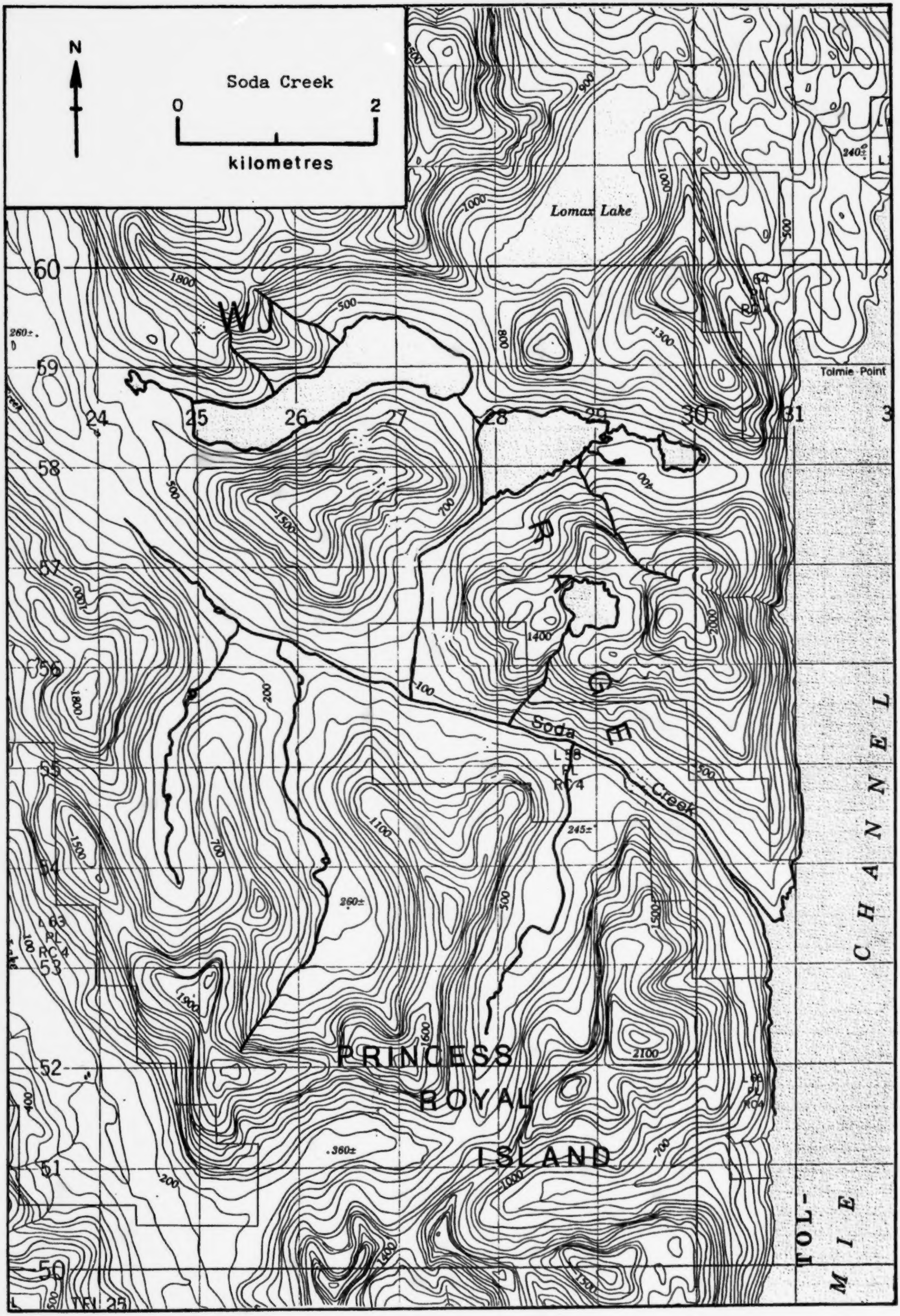

Lake
ARISTAZABAL ISLAND
Rocky
Sand & Gravel
Pinks
Pools,
Grassy Banks
Rocky,
Little Gravel
Pools,
Continous Slow Flow,
Grassy Banks,
Sand & Mud Bottom
Rocky,
Little Gravel
Shallow Bay
N
Sentinel Creek
0
.48
kilometres

ESCAPEMENT RECORD FOR (Sentinel Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | 750 | | 750 | 1500 | 75 | |
| 48 | | | 750 | | 3500 | |
| 49 | 200 | | 400 | 75 | 75 | |
| 50 | 75 | | 400 | 25 | 25 | |
| 51 | 100 | | 1000 | 800 | 100 | |
| 52 | | | | | 200 | |
| 53 | 400 | | 750 | 200 | 25 | |
| 54 | 750 | | 750 | 25 | 200 | |
| 55 | 400 | | 1500 | 25 | 25 | |
| 56 | 750 | | 1500 | 200 | 750 | |
| 57 | 1500 | | 1500 | 3500 | 1500 | |
| 58 | 750 | | 750 | 750 | 400 | |
| 59 | 200 | | 400 | 25 | 200 | |
| 60 | 750 | | 750 | 1500 | 75 | |
| 61 | 1500 | | 750 | 200 | 200 | |
| 62 | 750 | | 750 | 400 | 750 | |
| 63 | 200 | | 1500 | 25 | 400 | |
| 64 | UNK | | UNK | UNK | UNK | |
| 65 | | | NOT | INSPECTED | | |
| 66 | UNK | | UNK | UNK | UNK | |
| 67 | N/O | | 25 | 200 | N/O | |
| 68 | N/O | | N/O | N/O | 750 | |
| 69 | | | 130 | N/O | N/O | |
| 70 | | | N/O | N/O | 750 | |
| 71 | | | N/O | N/O | N/O | |
| 72 | | | 400 | N/O | 400 | |
| 73 | | | N/O | N/O | N/O | |
| 74 | | | 100 | N/O | 200 | |
| 75 | | | N/O | 1 | N/O | |
| 76 | | | N/O | 1 | 3 | |
| 77 | | | N/O | N/O | N/O | |
| 78 | | | N/O | 50 | 50 | |
| 79 | | | N/O | 10 | N/O | |
| 80 | | | NOT | INSPECTED | | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

| TIMING | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | | E. SEPT | |
| START | | | | | SEPT | |
| PEAK | | | | | SEPT | |
| END | | | | | OCT | |

REMARKS


N
Soda Creek
0
2
kilometres
Lomax Lake
Tolmie Point
W
R
I
D
G
E
Soda
Creek
PRINCESS
ROYAL
ISLAND
TOL-
MIE
CHANNEL
L 58
PL
RC4
L 63
PL
RC 4
L 64
PL
RC4
L 66
PL
RC4
260±
245±
360±
240±
60
59
58
57
56
55
54
53
52
51
50
24
25
26
27
28
29
30
31
1800
1500
1000
900
1300
500
800
700
100
200
1400
2000
1100
1600
1900
2100
400
TFL 25

NAME OF STREAM (Soda Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows SE. into Tolmie Chan., Rge. 3, Coast Dist.

POSITION 52°50'N 128°30'W

LENGTH 8.0 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 5.0 km

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - to falls |
| CHUM | - to falls |
| PINK (ODD YEAR) | - to falls |
| PINK (EVEN YEAR) | - to falls |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1951. Low flows delayed upstream migration

-1955. Poor seeding

-1959. Heavy spawning in vicinity of forks

-1961. Passable log jam at 4.8 km

-1966. Evidence of digging by pinks

-1967. Good producer of even-year pinks

-1970. Low water delayed upstream migration

-1974, 1978, 1980. Winter flooding may have caused some scouring and erosion to system

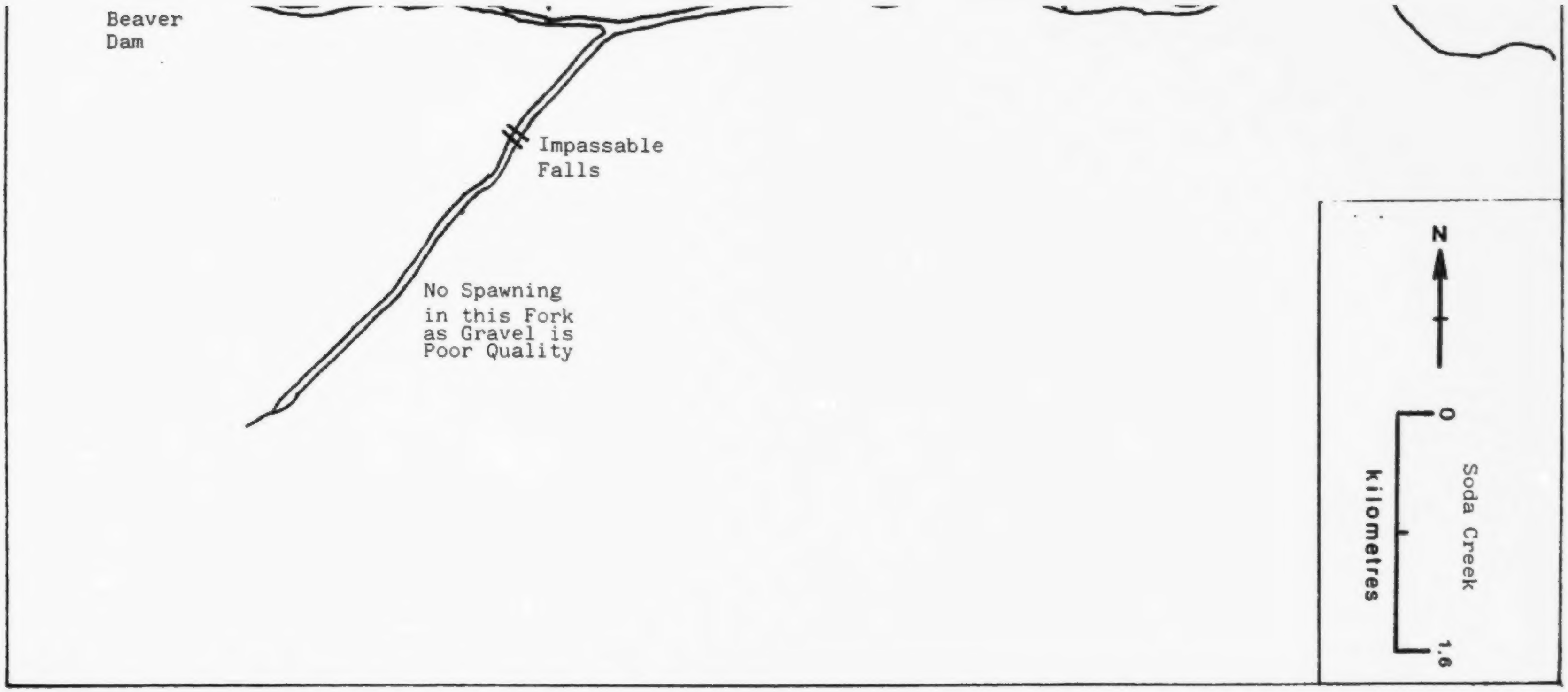
-1976. Left fork ends in a beaver pond, while right fork ends at a falls, 0.4 km from bifurcation

- Good potential

- Heavily fished near mouth and vulnerable to poaching

GENERAL REMARKS (cont'd) Soda Creek

- Clear water, good spawning habitat except lower 0.8 km, fast flow
- Subject to seasonal fluctuations in water levels and numerous windfalls
- Some predation by bears, waterfowl, wolves and eagles

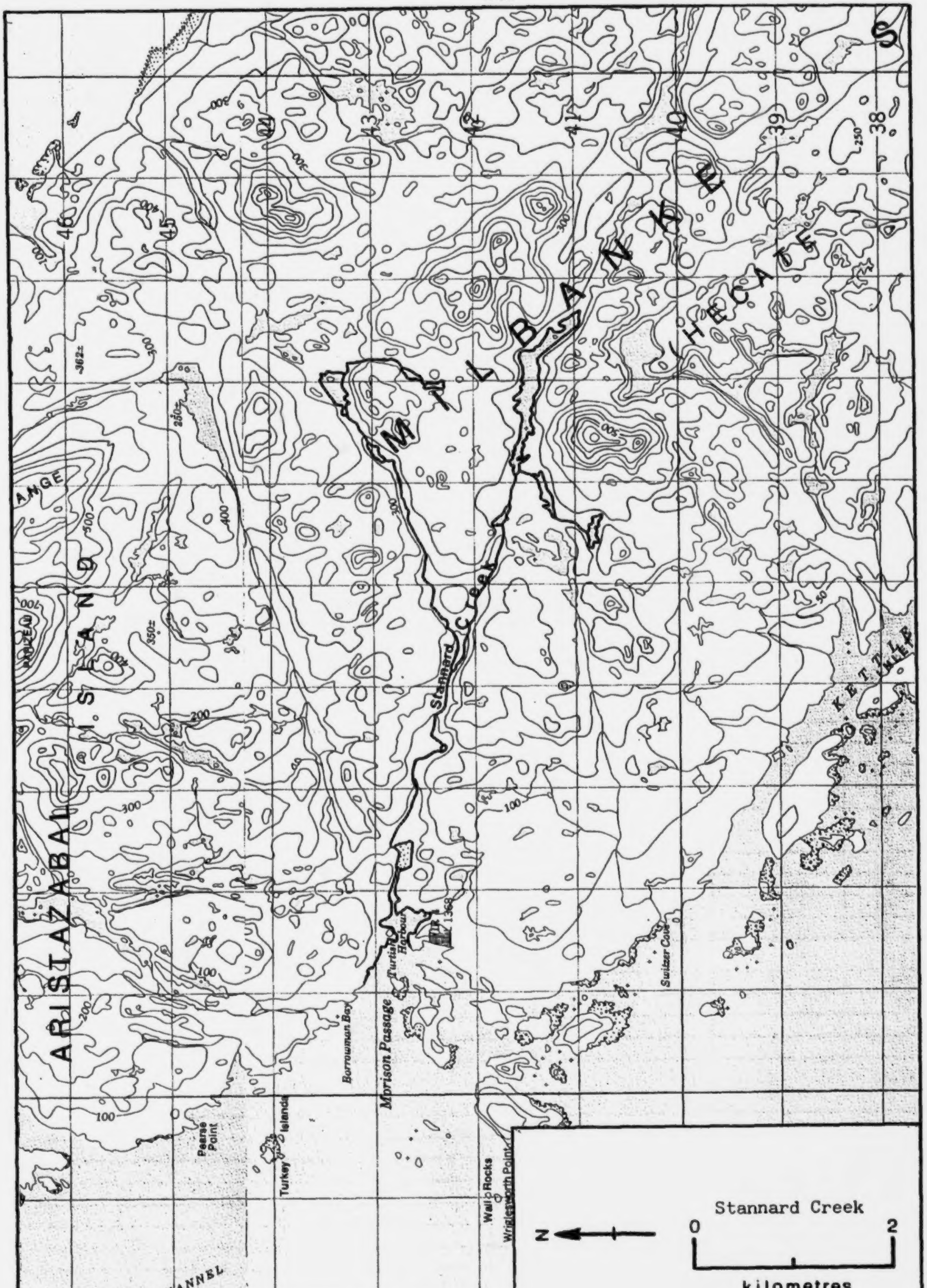

Beaver Dam
Impassable Falls
No Spawning in this Fork as Gravel is Poor Quality
N
0
kilometres
1.6
Soda Creek

ESCAPEMENT RECORD FOR (Soda Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 400 | 7500 | 3500 | |
| 48 | | | 750 | | 1500 | |
| 49 | | | 200 | 7500 | 7500 | |
| 50 | | | 25 | 1500 | 1500 | |
| 51 | | | 700 | 4500 | 4800 | |
| 52 | | | | | 3500 | |
| 53 | | | 25 | 1500 | 3500 | |
| 54 | | | 200 | 1500 | 400 | |
| 55 | | | 75 | 1500 | 1500 | |
| 56 | | | 75 | 400 | 3500 | |
| 57 | | | 400 | 1500 | 400 | |
| 58 | | | N/O | 1500 | 3500 | |
| 59 | | | 25 | 75 | 3500 | |
| 60 | | | 25 | 7500 | 15000 | |
| 61 | | | 25 | 1500 | 15000 | |
| 62 | | 25 | 25 | 750 | 75000 | |
| 63 | | 75 | 200 | 3500 | 75000 | |
| 64 | | N/O | 25 | 7500 | 15000 | |
| 65 | | | NOT INSPECTED | | | |
| 66 | | | 300 | 2000 | 15000 | |
| 67 | | | 75 | 3500 | 750 | |
| 68 | | | 200 | 3500 | 35000 | |
| 69 | | | 700 | 25 | 2000 | |
| 70 | | | 400 | 400 | 7500 | |
| 71 | | | 750 | 750 | 12000 | |
| 72 | | | 400 | 1500 | 7000 | |
| 73 | | | 50 | 1000 | 9000 | |
| 74 | | | N/O | 1500 | 2000 | |
| 75 | | | | 40 | 600 | |
| 76 | 100 | | | 30 | 12000 | |
| 77 | | | 20 | 122 | 2600 | |
| 78 | | | 25 | 300 | 5000 | |
| 79 | | | 75 | 125 | 25000 | |
| 80 | | | 50 | 350 | 10000 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

| TIMING | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | M. SEPT | E. SEPT | E. SEPT | |
| START | | | L. SEPT | E. SEPT | M. SEPT | |
| PEAK | | | OCT | M. SEPT | M. SEPT | |
| END | | | NOV | L. SEPT | L. SEPT | |

REMARKS


ARISTAZABAL ISLAND
MILBANKE
HECATE
S
ANGE
PLATEAU
Stannard Creek
Morison Passage
Borrowman Bay
Turtish Harbour
1368
Switzer Cove
KETTLE INLET
Pearse Point
Turkey Islands
Wall Rocks
Wrigglesworth Point
BEAUCHEMIN CHANNEL
46
45
44
43
42
41
40
39
38
100
200
300
400
500
700
250
350±
362±
250±
50
Stannard Creek
N
0
2
kilometres

NAME OF STREAM STANNARD CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH At head of Borrowman Bay, W. side of Aristazabal Is., Rge. 3, Coast Dist. POSITION 52° 129° NE

LENGTH 10.5 km WIDTH ___ m DRAINAGE ___ $km^2$

COMPOSITION: BEDROCK ___ BOULDER ___ COARSE ___ FINE ___

SILT & SAND ___ UNCLASSIFIED ___

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA ___ $m^2$ SPAWNING AREA ___ $m^2$

DISCHARGE ($m^3/s$) ___

TEMPERATURE (°C) ___

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Rock falls at 1.2 km, impassable to all species except sockeye

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - in lake |
| CHINOOK | |
| COHO | - throughout |
| CHUM | - to falls |
| PINK (ODD YEAR) | - to falls |
| PINK (EVEN YEAR) | - to falls |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ___

GENERAL REMARKS

-1947. Log jam removed

-1959. Closure requires extension to protect the early sockeye run

-1961, 1962. Surveyed and removed log jams

-1969. Chums observed entering stream in late September

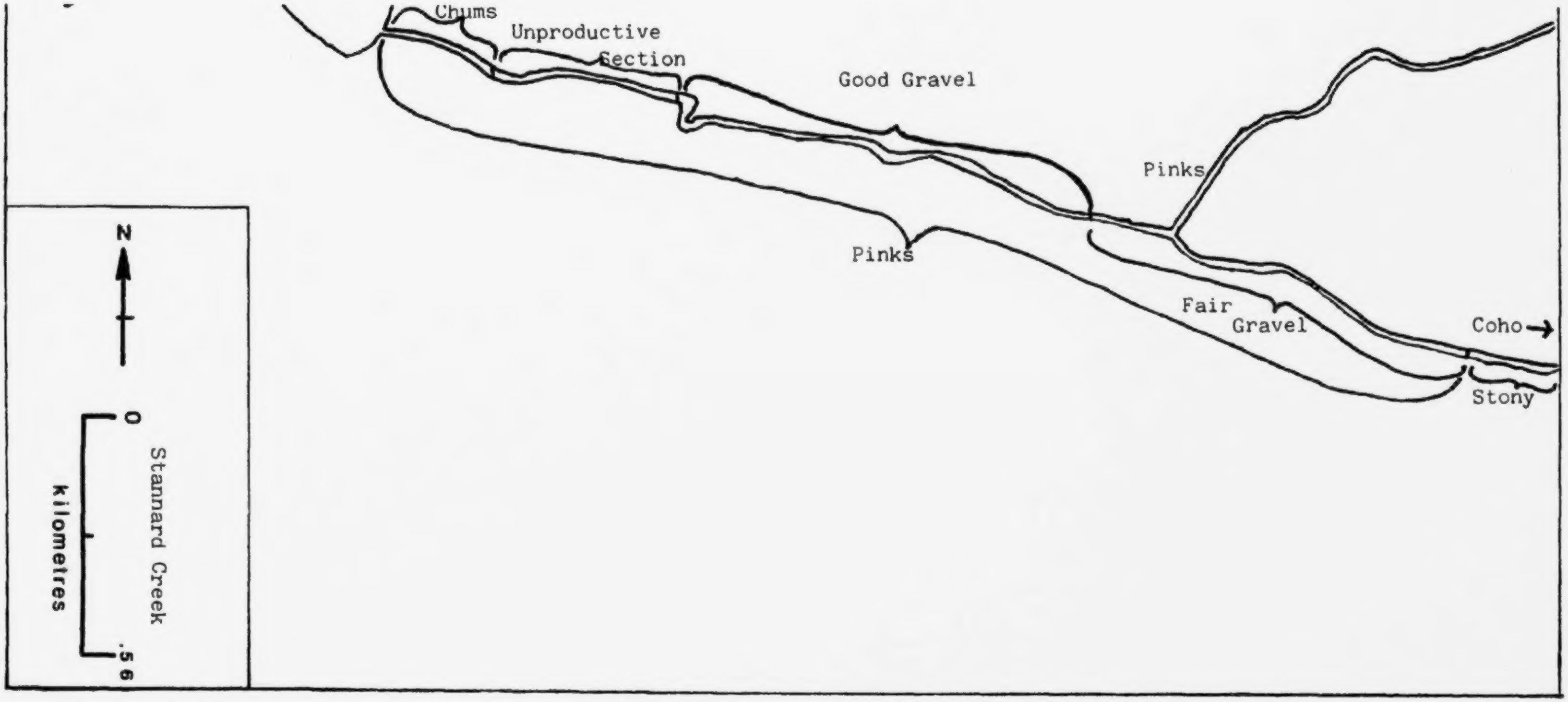
-1970. Last recorded sockeye spawning was in 1964

-1974, 1978, 1980. Winter flooding may have caused some scouring and erosion to system

-1975. Chums seen digging up previously deposited eggs

-1979. Decided to report stream officially as Stannard Creek

- Rough creek bed, good spawning in upper reaches
- Subject to seasonal fluctuations in water levels
- Some predation by birds, wolves and otters


Chums
Unproductive Section
Good Gravel
Pinks
Pinks
Fair Gravel
Coho →
Stony
N
Stannard Creek
0
.56
kilometres

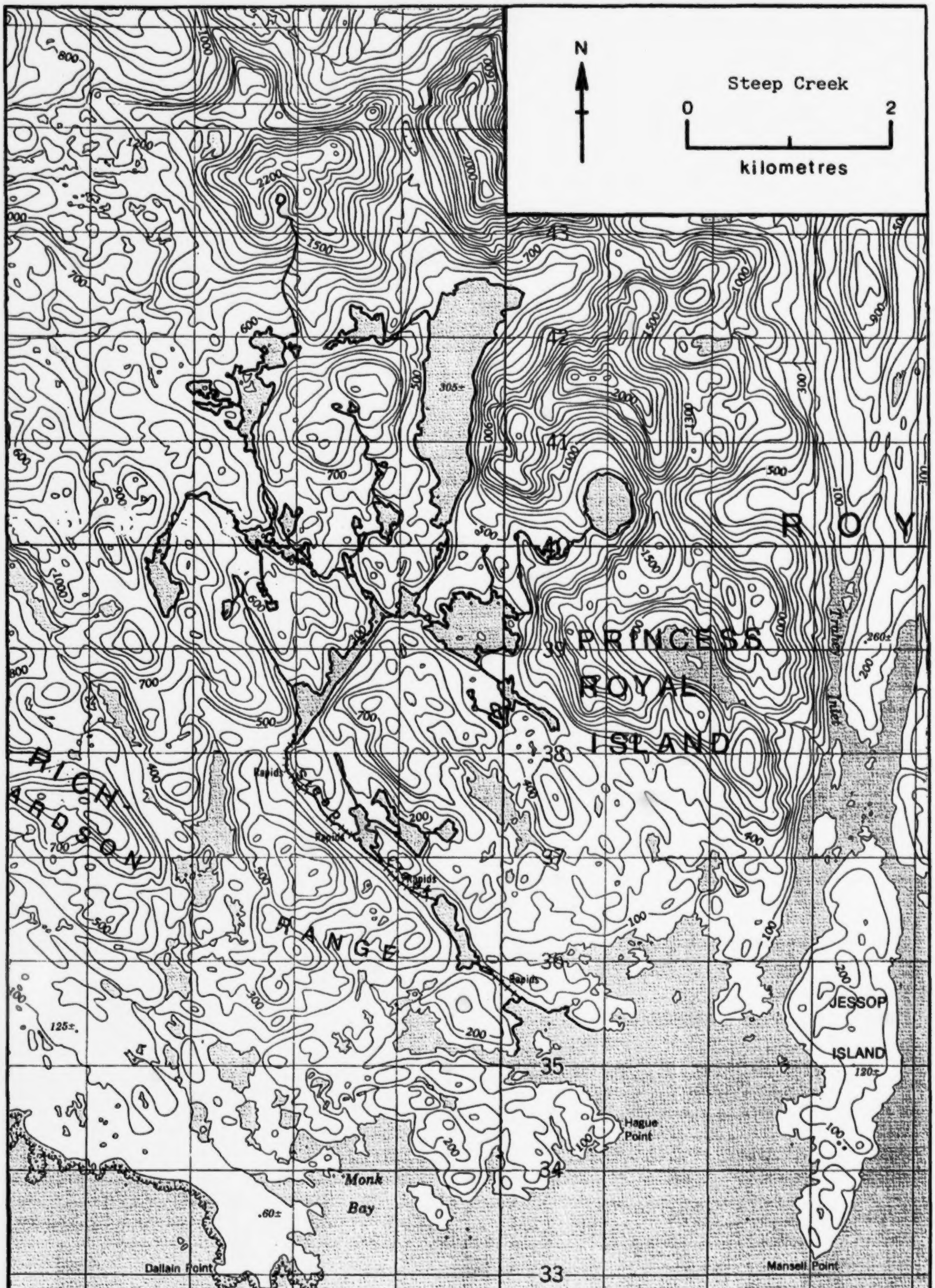
ESCAPEMENT RECORD FOR STANNARD CREEK

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | 1500 |  | 1500 | 7500 | 750 |  |
| 48 |  |  | 7500 | 7500 | 7500 |  |
| 49 | 1500 |  | 3500 | 7500 | 1500 |  |
| 50 | 750 |  | 1500 | 1500 | 750 |  |
| 51 | 1000 |  | 4500 | 1000 | 800 |  |
| 52 |  |  | NO RECORD |  |  |  |
| 53 | 3500 |  | 1500 | 750 | 200 |  |
| 54 | 3500 |  | 3500 | 400 | 3500 |  |
| 55 | 1500 |  | 1500 | 3500 | 400 |  |
| 56 | 1500 |  | 7500 | 3500 | 3500 |  |
| 57 | 3500 |  | 3500 | 200 | 1500 |  |
| 58 | 750 |  | 1500 | 3500 | 1500 |  |
| 59 | 75 |  | 1500 | 1500 | 400 |  |
| 60 | 1500 |  | 750 | 1500 | 3500 |  |
| 61 | 750 |  | 750 | 400 | 1500 |  |
| 62 | 750 |  | 750 | 400 | 3500 |  |
| 63 | 200 |  | 750 | 1500 | 1500 |  |
| 64 | 750 |  | 750 | 1500 | 200 |  |
| 65 | UNK |  | 1500 | 1500 | 750 |  |
| 66 | 200 |  | 300 | 1200 | 2000 |  |
| 67 | N/O |  | N/O | 1500 | N/O |  |
| 68 | N/O |  | 25 | 750 | 25 |  |
| 69 | N/O |  | N/O | 800 | N/O |  |
| 70 |  |  | 75 | 750 | N/O |  |
| 71 |  |  | 200 | 200 | N/O |  |
| 72 |  |  | 200 | 200 | 25 |  |
| 73 |  |  | 100 | 500 |  |  |
| 74 |  |  | 200 | 150 | 150 |  |
| 75 |  |  | 175 | 1100 |  |  |
| 76 |  |  | 100 | 850 | 700 |  |
| 77 |  |  | 50 | 1300 |  |  |
| 78 |  |  | N/O | 2500 | 200 |  |
| 79 |  |  | 75 | 100 | 1000 |  |
| 80 |  |  | N/O | 200 | 2000 |  |
| 81 |  |  |  |  |  |  |
| 82 |  |  |  |  |  |  |
| 83 |  |  |  |  |  |  |
| 84 |  |  |  |  |  |  |
| 85 |  |  |  |  |  |  |

TIMING:

|  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|
| ARRIVE |  |  |  |  |  |  |
| START |  |  |  |  |  |  |
| PEAK |  |  |  |  |  |  |
| END |  |  |  |  |  |  |

REMARKS


N
Steep Creek
0
2
kilometres
ROY
PRINCESS
ROYAL
ISLAND
RICH-
ARDSON
RANGE
JESSOP
ISLAND
Trahey Inlet
Rapids
Rapids
Rapids
Rapids
Hague Point
Monk
Bay
Dallain Point
Mansell Point
Croft
43
42
41
40
39
38
37
36
35
34
33
305±
260±
125±
120±
60±
2200
2000
1500
1000
700
500
200
100

NAME OF STREAM (Steep Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows SE. into Laredo Inlet. Rge. 3. Coast Dist.

POSITION 52°40'N 128°50'W

LENGTH 4.0 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

| PERCENT GRADIENT | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - throughout |
| CHUM | - lower reaches primarily |
| PINK (ODD YEAR) | - lower reaches primarily |
| PINK (EVEN YEAR) | - lower reaches primarily |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1957. Drought caused chums to spawn in salt water at stream mouth
-1965. Drought delayed upstream migration
-1966. Discoloured water hampered inspection
-1974, 1978, 1980. Possible scouring and erosion to the system from winter floods

- Small, rough, rocky, steep creek, with poor spawning grounds and limited gravel
- Subject to seasonal fluctuations in water levels
- Slight predation by birds and bears

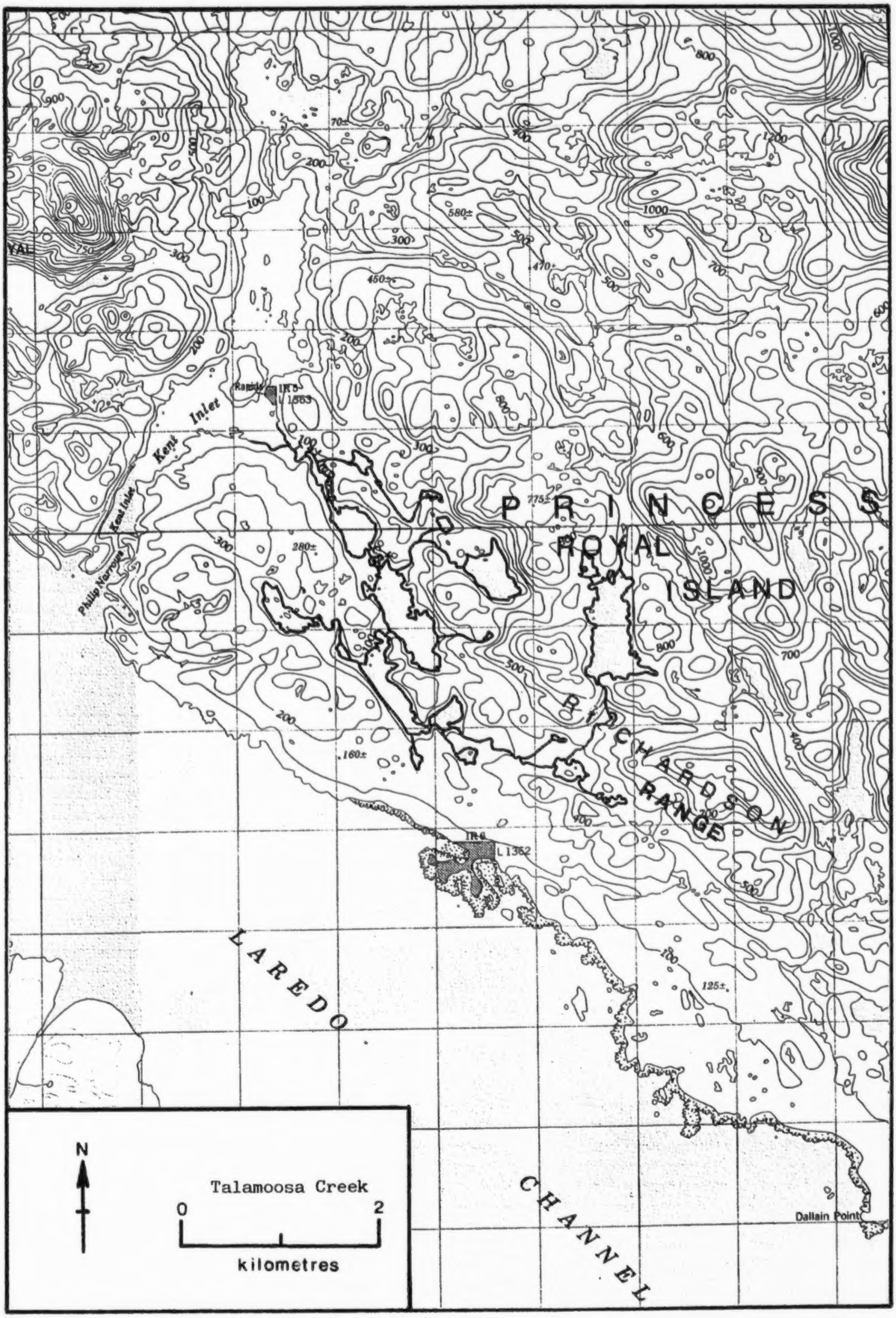
ESCAPEMENT RECORD FOR (Steep Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | | | | |
| 48 | | | | | | |
| 49 | | | NO RECORD BETWEEN 1947-1951 | | | |
| 50 | | | | | | |
| 51 | | | 600 | 50 | 50 | |
| 52 | | | | | | |
| 53 | | | 200 | 25 | 200 | |
| 54 | | | | | | |
| 55 | | | 25 | 25 | 75 | |
| 56 | | | 25 | 25 | 75 | |
| 57 | | | | 400 | | |
| 58 | | | NOT | INSPECTED | | |
| 59 | | | 25 | 25 | 25 | |
| 60 | | | N/O | N/O | N/O | |
| 61 | | | 25 | N/O | N/O | |
| 62 | | | 75 | N/O | N/O | |
| 63 | | | 25 | 25 | N/O | |
| 64 | | | 25 | 400 | N/O | |
| 65 | | | 750 | 750 | 1500 | |
| 66 | | | UNK | UNK | UNK | |
| 67 | | | 25 | 750 | N/O | |
| 68 | | | 75 | N/O | N/O | |
| 69 | | | 50 | N/O | N/O | |
| 70 | | | 200 | N/O | N/O | |
| 71 | | | 25 | N/O | N/O | |
| 72 | | | 400 | N/O | N/O | |
| 73 | | | 100 | N/O | N/O | |
| 74 | | | 200 | N/O | 100 | |
| 75 | | | 3500 | 200 | 400 | |
| 76 | | | 2200 | | 1300 | |
| 77 | | | 1800 | | 800 | |
| 78 | | | 1500 | | 100 | |
| 79 | | | 1500 | | N/O | |
| 80 | | | 1000 | N/O | N/O | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | SEPT | | E. SEPT | |
| START | | | SEPT | | E. SEPT | |
| PEAK | | | SEPT | | M. SEPT | |
| END | | | OCT | | L. SEPT | |

REMARKS


PRINCESS
ROYAL
ISLAND
RICHARDSON RANGE
LAREDO CHANNEL
Kent Inlet
Kent Inlet
Philip Narrows
Rapids
IR 5
L 1363
IR 6
L 1362
Dallain Point
YAL
N
Talamoosa Creek
0
2
kilometres
900
750
500
300
200
100
70±
400
800
1000
1200
580±
300
500
470±
450±
700
600
200
500
300
600
900
775±
300
280±
1000
800
700
500
200
160±
400
400
500
100
125±

NAME OF STREAM (Talamoosa Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows NW. into Kent Inlet, Rge. 3, Coast Dist.

POSITION 52° 128° NW

LENGTH 8.0 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

| PERCENT GRADIENT | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - throughout |
| CHUM | - chiefly between lakes, but scattered throughout |
| PINK (ODD YEAR) | - in lower reaches and between lakes |
| PINK (EVEN YEAR) | - in lower reaches and between lakes |
| STEELHEAD | |

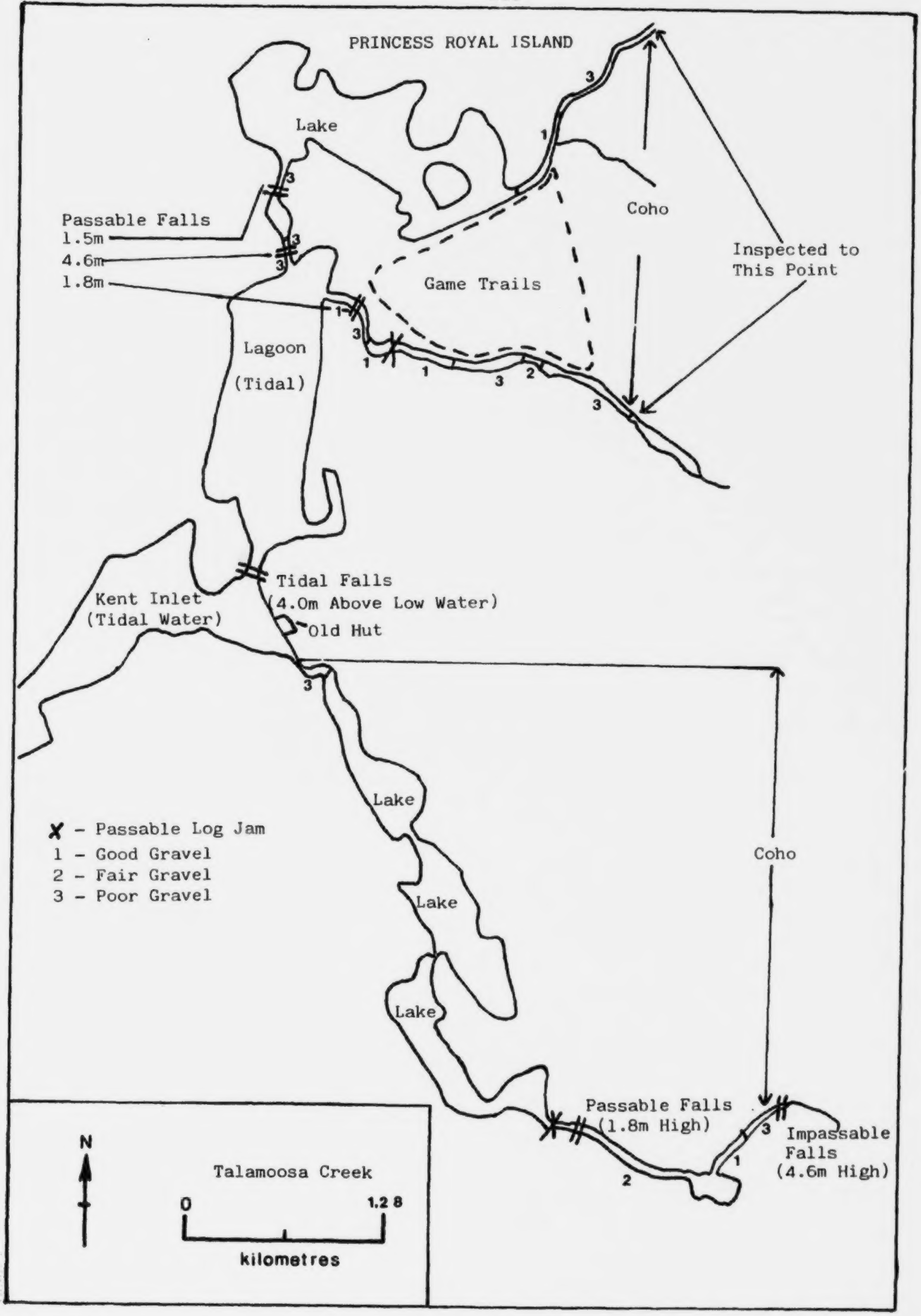
POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

- 1949-1959. Drag seine operated at mouth of stream
- 1951-1956. Large boulders 3.2 km upstream, impede migration between 2nd and 3rd lakes under some water conditions
- 1956. Rock obstruction described in 1951, was removed
- 1961. Large boulders in the stream hinder migration during low water only
- 1965. Negligible drag seine catches
- 1968. Sockeye and pinks schooled at stream mouth during low water, but did not ascend the stream when flows improved
- 1974, 1978, 1979. Discoloured water impaired observation of spawners
- 1974, 1978, 1980. Possible scouring and erosion caused by winter floods
- Considered a good coho rearing area

GENERAL REMARKS (cont'd) Talamoosa Creek

- Subject to seasonal fluctuations in water levels
- Some predation by bears, wolves, waterfowl, and eagles


PRINCESS ROYAL ISLAND
Lake
Passable Falls
1.5m
4.6m
1.8m
Game Trails
Coho
Inspected to This Point
Lagoon (Tidal)
Tidal Falls (4.0m Above Low Water)
Kent Inlet (Tidal Water)
Old Hut
Lake
Lake
Lake
Coho
Passable Falls (1.8m High)
Impassable Falls (4.6m High)
X - Passable Log Jam
1 - Good Gravel
2 - Fair Gravel
3 - Poor Gravel
N
Talamoosa Creek
0
1.28
kilometres

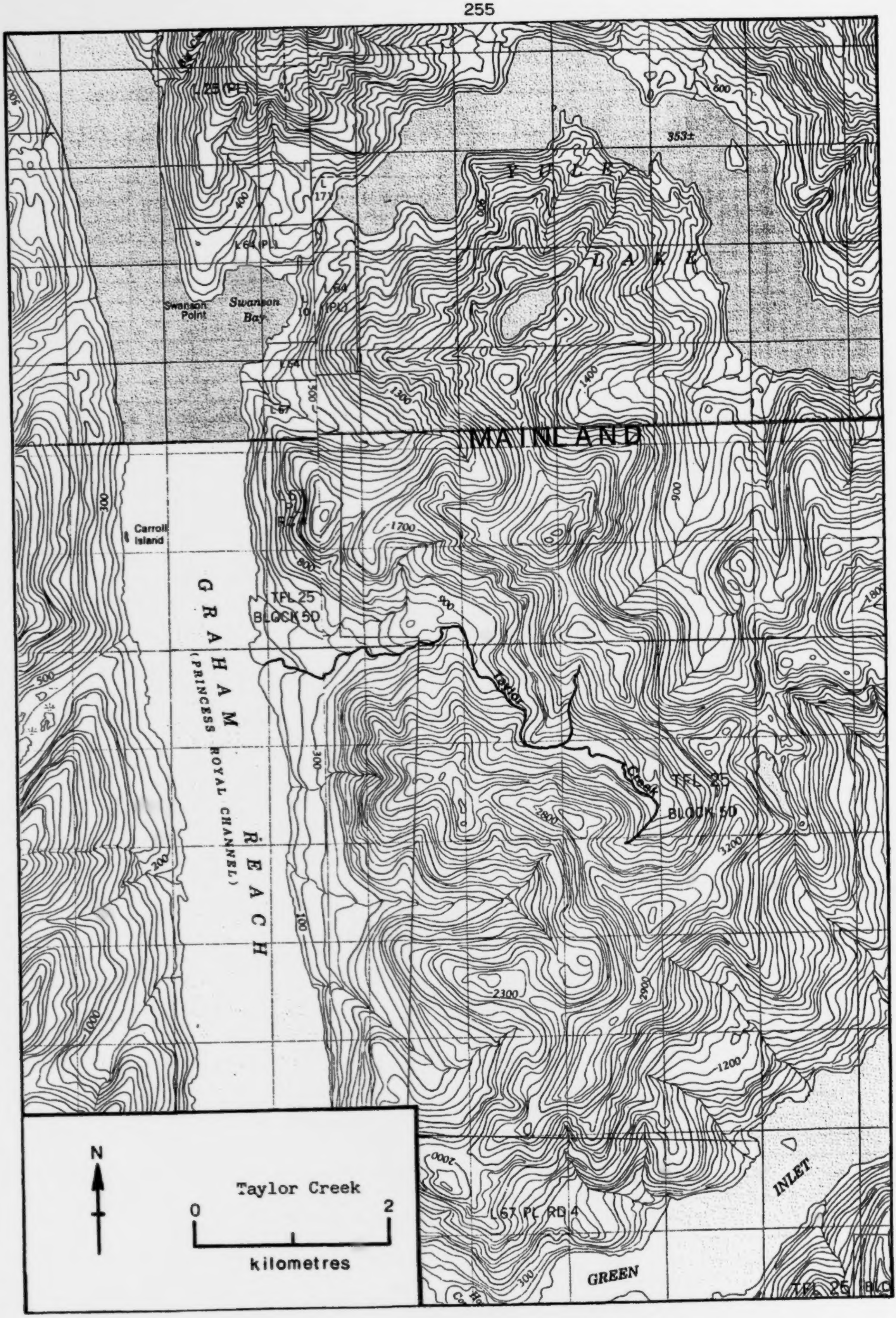
ESCAPEMENT RECORD FOR (Talamoosa Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | 7500 | | 7500 | 400 | 200 | |
| 48 | - | | 3500 | | 75 | |
| 49 | 7500 | | 1500 | 25 | 25 | |
| 50 | 3500 | | 1500 | 25 | 25 | |
| 51 | 2500 | | 3000 | 300 | 450 | |
| 52 | | | | | 750 | |
| 53 | 3500 | | 1500 | 200 | 200 | |
| 54 | 750 | | 1500 | 200 | 75 | |
| 55 | 3500 | | 1500 | 75 | 75 | |
| 56 | 1500 | | 750 | 750 | 3500 | |
| 57 | 1500 | | 750 | 400 | 25 | |
| 58 | 400 | | 750 | 200 | 200 | |
| 59 | 400 | | 750 | 75 | 200 | |
| 60 | 200 | | 400 | 1500 | 25 | |
| 61 | 400 | | 750 | 400 | 200 | |
| 62 | 400 | | 750 | 25 | 25 | |
| 63 | 400 | | 400 | 25 | 400 | |
| 64 | 200 | | 400 | 750 | 75 | |
| 65 | | | NOT | INSPECTED | | |
| 66 | UNK | | UNK | UNK | UNK | |
| 67 | N/O | | 75 | 25 | N/O | |
| 68 | N/O | | N/O | N/O | N/O | |
| 69 | | | 400 | N/O | N/O | |
| 70 | | | 750 | N/O | N/O | |
| 71 | | | 750 | N/O | N/O | |
| 72 | | | 400 | N/O | N/O | |
| 73 | 25 | | 25 | N/O | 25 | |
| 74 | 400 | | 50 | N/O | 50 | |
| 75 | N/O | | 200 | N/O | N/O | |
| 76 | | | | | 100 | |
| 77 | 30 | | 75 | | | |
| 78 | 150 | | N/O | | 100 | |
| 79 | N/O | | 1000 | | N/O | |
| 80 | 50 | | 250 | | 700 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | JULY | | SEPT | | L. AUG | |
| START | E. SEPT | | SEPT | | E. SEPT | |
| PEAK | L. SEPT | | OCT | | M. SEPT | |
| END | OCT | | OCT | | L. SEPT | |

REMARKS


Taylor Creek
0
2
kilometres
N
YULE LAKE
MAINLAND
GRAHAM REACH
(PRINCESS ROYAL CHANNEL)
Swanson Point
Swanson Bay
Carroll Island
Taylor Creek
TFL 25 BLOCK 5D
TFL 25 BLOCK 5D
L25 (PL)
L64 (PL)
L64 (PL)
L171
L54
L67
L67 PL RD 4
353±
GREEN INLET
TFL 25 BLO
600
400
300
1300
1400
900
1700
800
900
300
500
200
100
1000
2800
3200
1800
2300
2900
1200
2000
300

NAME OF STREAM (Taylor Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Graham Reach, Princess Royal Chan., Rge. 4, Coast Dist. POSITION 52° 128° NW

LENGTH 0.03 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 275 m

SPAWNING DISTRIBUTION

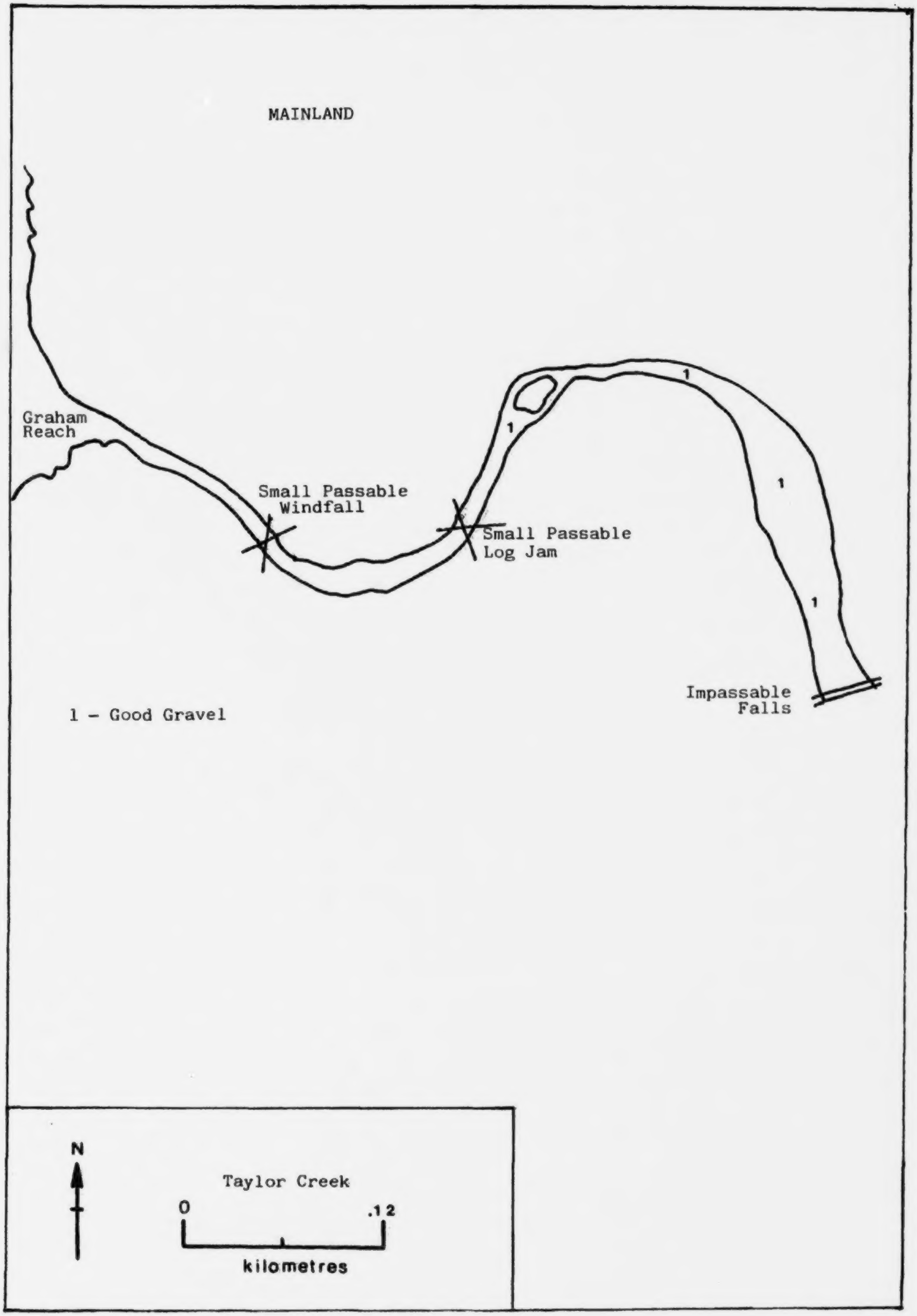
| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - to falls if present |
| CHUM | - to falls if present |
| PINK (ODD YEAR) | - to falls if present |
| PINK (EVEN YEAR) | - to falls |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

- Poor spawning habitat above falls

GENERAL REMARKS

-1957. Poor spawning gravel noted
-1966. Upstream migration delayed until early September. Almost no spawning gravel
-1968. No spawners observed
-1969. Less than 100 m of spawning area
-1973. Minor producer with no potential
-1974, 1978, 1980. Possible scouring and erosion caused by winter flooding
- Historical good spawning area below falls
- Subject to seasonal fluctuations in water levels
- Some predation by bears and birds


MAINLAND
Graham Reach
Small Passable Windfall
Small Passable Log Jam
1
1
1
1
Impassable Falls
1 - Good Gravel
N
Taylor Creek
0
.12
kilometres

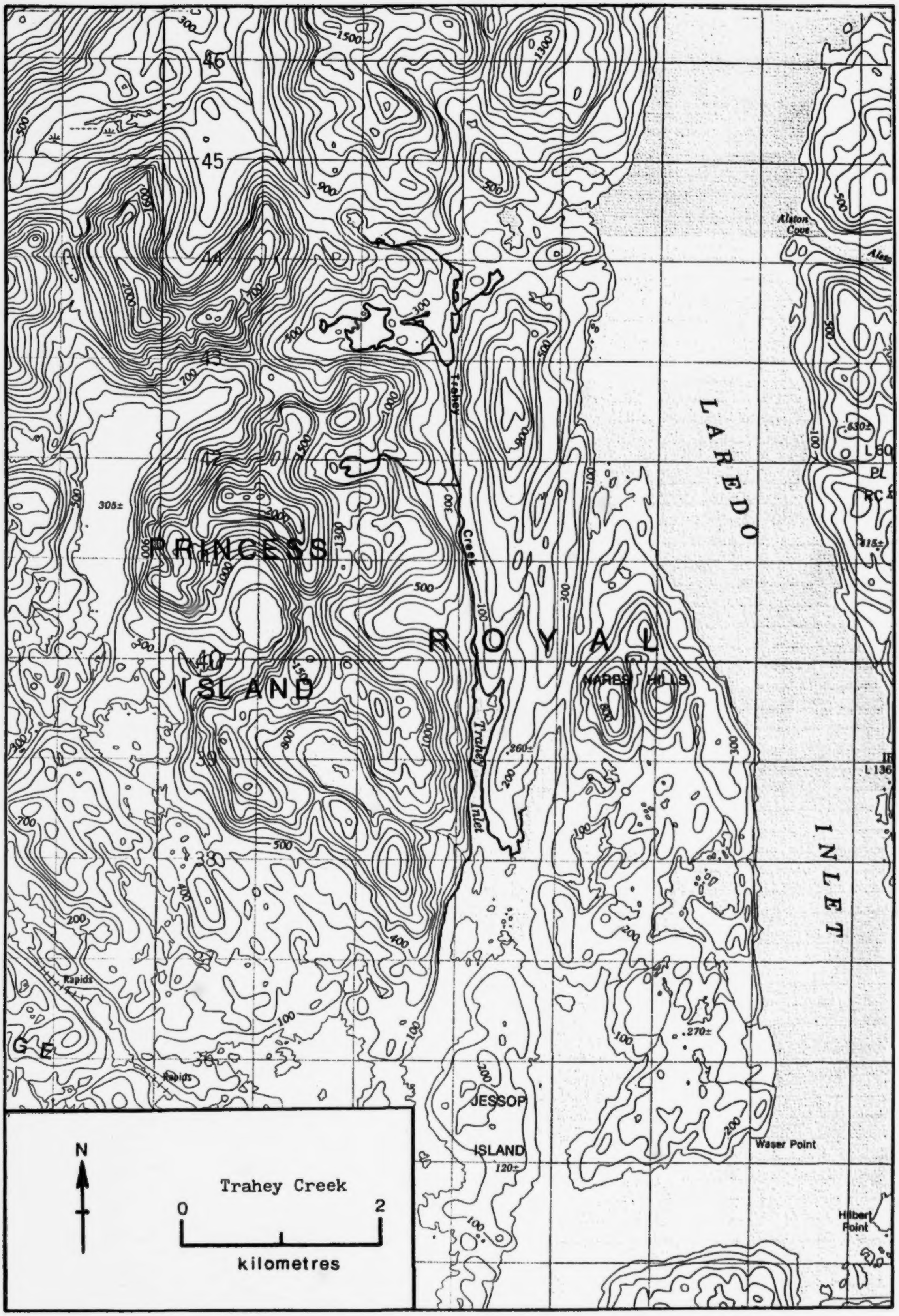
ESCAPEMENT RECORD FOR (Taylor Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 25 | 750 | 75 | |
| 48 | | | N/O | | 750 | |
| 49 | | | N/O | 75 | 400 | |
| 50 | | | N/O | 75 | 200 | |
| 51 | | | N/O | 350 | 450 | |
| 52 | | | | | 750 | |
| 53 | | | | 200 | 200 | |
| 54 | | | | 25 | 75 | |
| 55 | | | | 25 | 75 | |
| 56 | | | | 75 | 400 | |
| 57 | | | | 400 | 25 | |
| 58 | | | | 25 | 75 | |
| 59 | | | 25 | 75 | 75 | |
| 60 | | | | 200 | 75 | |
| 61 | | | | 25 | 75 | |
| 62 | | | 25 | N/O | 750 | |
| 63 | | | NOT | INSPECTED | | |
| 64 | | | N/O | 200 | 400 | |
| 65 | | | NOT | INSPECTED | | |
| 66 | | | | 100 | 300 | |
| 67 | | | | 400 | 75 | |
| 68 | | | N/O | N/O | N/O | |
| 69 | | | N/O | N/O | N/O | |
| 70 | | | N/O | N/O | N/O | |
| 71 | | | N/O | N/O | N/O | |
| 72 | | | N/O | N/O | 25 | |
| 73 | | | N/O | N/O | N/O | |
| 74 | | | | 20 | 50 | |
| 75 | | | N/O | N/O | N/O | |
| 76 | | | N/O | N/O | N/O | |
| 77 | | | N/O | N/O | N/O | |
| 78 | | | | | 25 | |
| 79 | | | | N/O | 10 | |
| 80 | | | | | 28 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | | E. SEPT | |
| START | | | | | E. SEPT | |
| PEAK | | | | | M. SEPT | |
| END | | | | | L. SEPT | |

REMARKS


PRINCESS
ROYAL
ISLAND
LAREDO
INLET
Trahey Creek
Trahey Inlet
NARES HILLS
JESSOP
ISLAND
Alston Cove
Waser Point
Hilbert Point
Rapids
Rapids
GE
46
45
44
43
42
41
40
39
38
36
305±
260±
270±
120±
630±
415±
1500
1300
2000
1000
900
800
700
500
400
300
200
100
N
Trahey Creek
0
2
kilometres

NAME OF STREAM (Trahey Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows S. into Trahey Inlet, Rge. 3, Coast Dist.

POSITION 52° 128° NW

LENGTH 4.8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

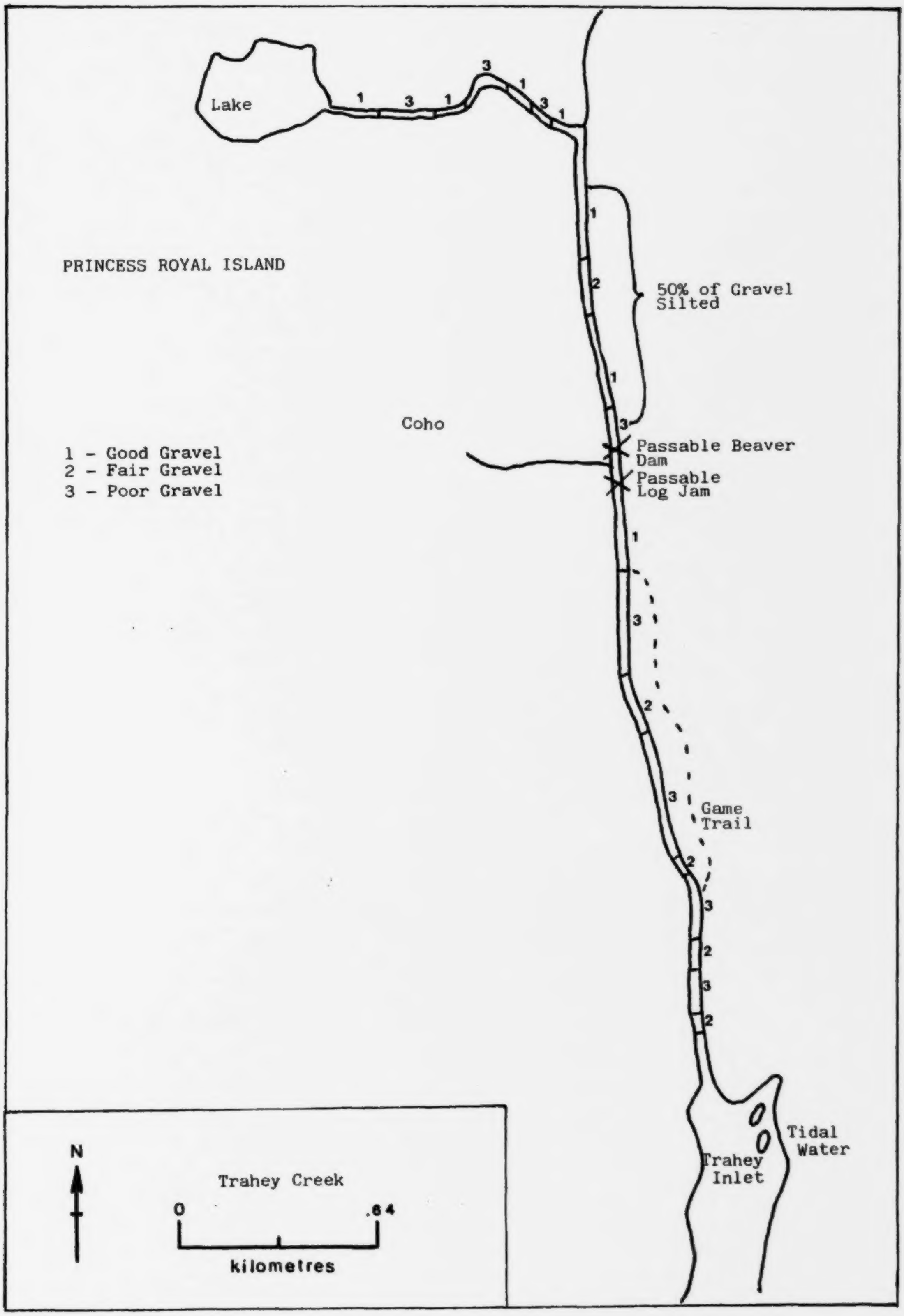
| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - lower reaches and throughout |
| CHUM | - lower reaches |
| PINK (ODD YEAR) | - lower reaches |
| PINK (EVEN YEAR) | - lower reaches |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1957, 1958. Cleared windfall debris located 1.6 km upstream
-1965. Low flows delayed upstream migration
-1966. No spawners observed
-1971. Some minor silting in upper reaches
-1974, 1978, 1980. Some scouring and erosion may have resulted from winter flooding

- Good spawning substrate of rock, gravel, and some sand
- Subject to seasonal fluctuations in water levels
- Some predation by wolves, bears, and birds


Lake
1
3
1
3
1
3
1
PRINCESS ROYAL ISLAND
1
2
1
3
50% of Gravel Silted
Coho
1 - Good Gravel
2 - Fair Gravel
3 - Poor Gravel
Passable Beaver Dam
Passable Log Jam
1
3
2
3
Game Trail
2
3
2
3
2
Tidal Water
Trahey Inlet
N
Trahey Creek
0
.64
kilometres

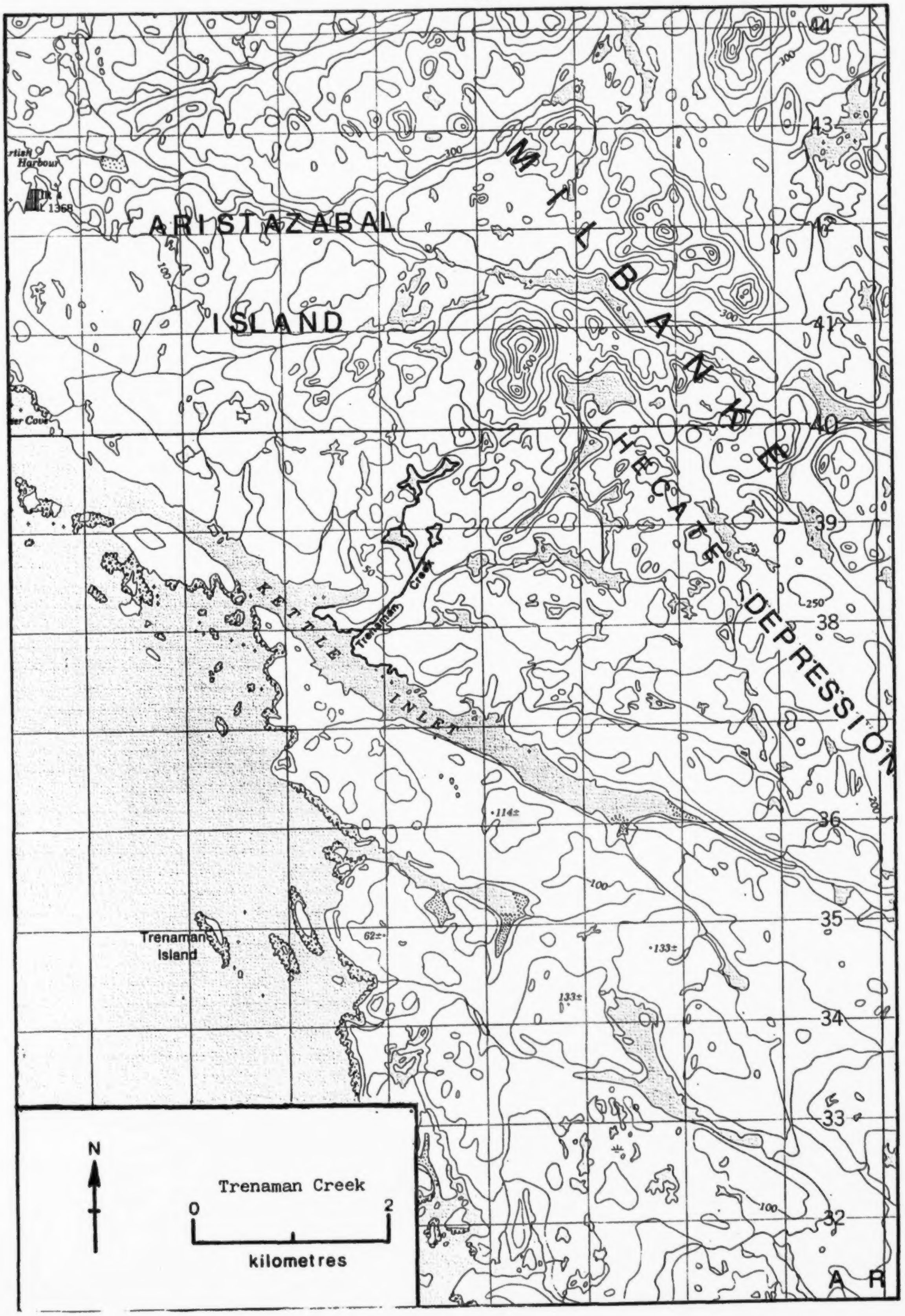
ESCAPEMENT RECORD FOR (Trahey Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 1500 | 3500 | 750 | |
| 48 | | | 200 | | 1500 | |
| 49 | | | 1500 | 200 | 3500 | |
| 50 | | | 25 | 400 | 750 | |
| 51 | | | 400 | 1800 | 1500 | |
| 52 | | | | | 750 | |
| 53 | | | 200 | 200 | 400 | |
| 54 | | | 200 | 750 | 1500 | |
| 55 | | | 75 | 25 | 1500 | |
| 56 | | | 200 | 200 | 1500 | |
| 57 | | | N/O | 750 | 400 | |
| 58 | | | 25 | 200 | 200 | |
| 59 | | | N/O | 25 | N/O | |
| 60 | | | | 750 | 75 | |
| 61 | | | N/O | 25 | 75 | |
| 62 | | | 25 | 200 | 400 | |
| 63 | | | N/O | 25 | 400 | |
| 64 | | | NOT | INSPECTED | | |
| 65 | | | 75 | 25 | 750 | |
| 66 | | | UNK | UNK | UNK | |
| 67 | | | N/O | N/O | N/O | |
| 68 | | | 750 | N/O | 7500 | |
| 69 | | | 300 | N/O | N/O | |
| 70 | | | 200 | 75 | 750 | |
| 71 | | | 400 | N/O | 200 | |
| 72 | | | 200 | 75 | 400 | |
| 73 | | | N/O | 75 | 50 | |
| 74 | | | N/O | 25 | 200 | |
| 75 | | | N/O | 3000 | 2500 | |
| 76 | | | 100 | N/O | 2000 | |
| 77 | | | | 80 | 450 | |
| 78 | | | N/O | 150 | 2000 | |
| 79 | | | N/O | 200 | 200 | |
| 80 | | | 9 | 5 | 800 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | E. SEPT | E. SEPT | L. AUG | |
| START | | | L. SEPT | E. SEPT | E. SEPT | |
| PEAK | | | M. OCT | M. SEPT | M. SEPT | |
| END | | | NOV | E. OCT | E. OCT | |

REMARKS


ARISTAZABAL
ISLAND
MILBANKE
HECATE DEPRESSION
KETTLE INLET
Trenaman Creek
Trenaman Island
rtish Harbour
IR 4
L 1368
er Cove
44
43
42
41
40
39
38
36
35
34
33
32
100
300
500
50
250
200
114±
62±
133±
133±
A R
N
Trenaman Creek
0
2
kilometres

NAME OF STREAM (Treneman Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows SW. into Kettle Inlet, Rge. 3, Coast Dist.

POSITION 52° 129° NE

LENGTH 4 .8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - to lake and above |
| CHUM | - lower reaches below steep section |
| PINK (ODD YEAR) | - lower reaches below steep section |
| PINK (EVEN YEAR) | - lower reaches below steep section |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1958. Pinks and chums spawned in tidal water and coho near stream mouth as warm water and low flows hampered migration

-1959. Low flows caused tidal spawning

-1965. Low water made creek impassable until early October

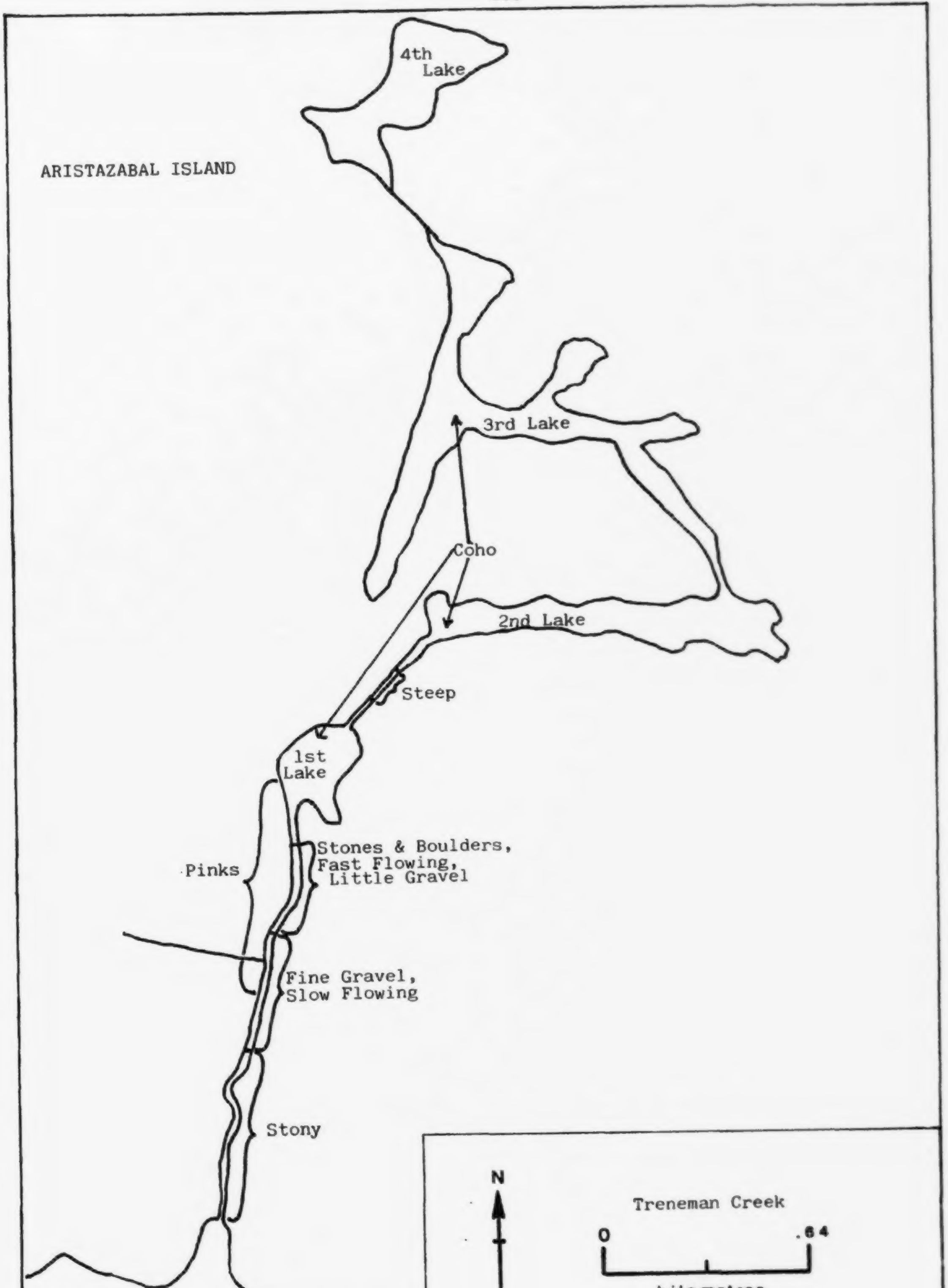
-1966, 1967. Discoloured water hampered inspection of the stream

-1974. Possible logging of lower reaches in 1975

-1974, 1978, 1980. Winter flooding may have caused some scouring and erosion to system

-1977. Sockeye observed between 1st and 2nd lake

- Productive coho stream, but not significantly utilized by other species
- Coarse gravel substrate
- Subject to fluctuations in water levels
- Light predation by wolves, wildfowl and otters


4th Lake
ARISTAZABAL ISLAND
3rd Lake
Coho
2nd Lake
Steep
1st Lake
Stones & Boulders,
Fast Flowing,
Little Gravel
Pinks
Fine Gravel,
Slow Flowing
Stony
N
Treneman Creek
0
.64
kilometres
Kettle Inlet

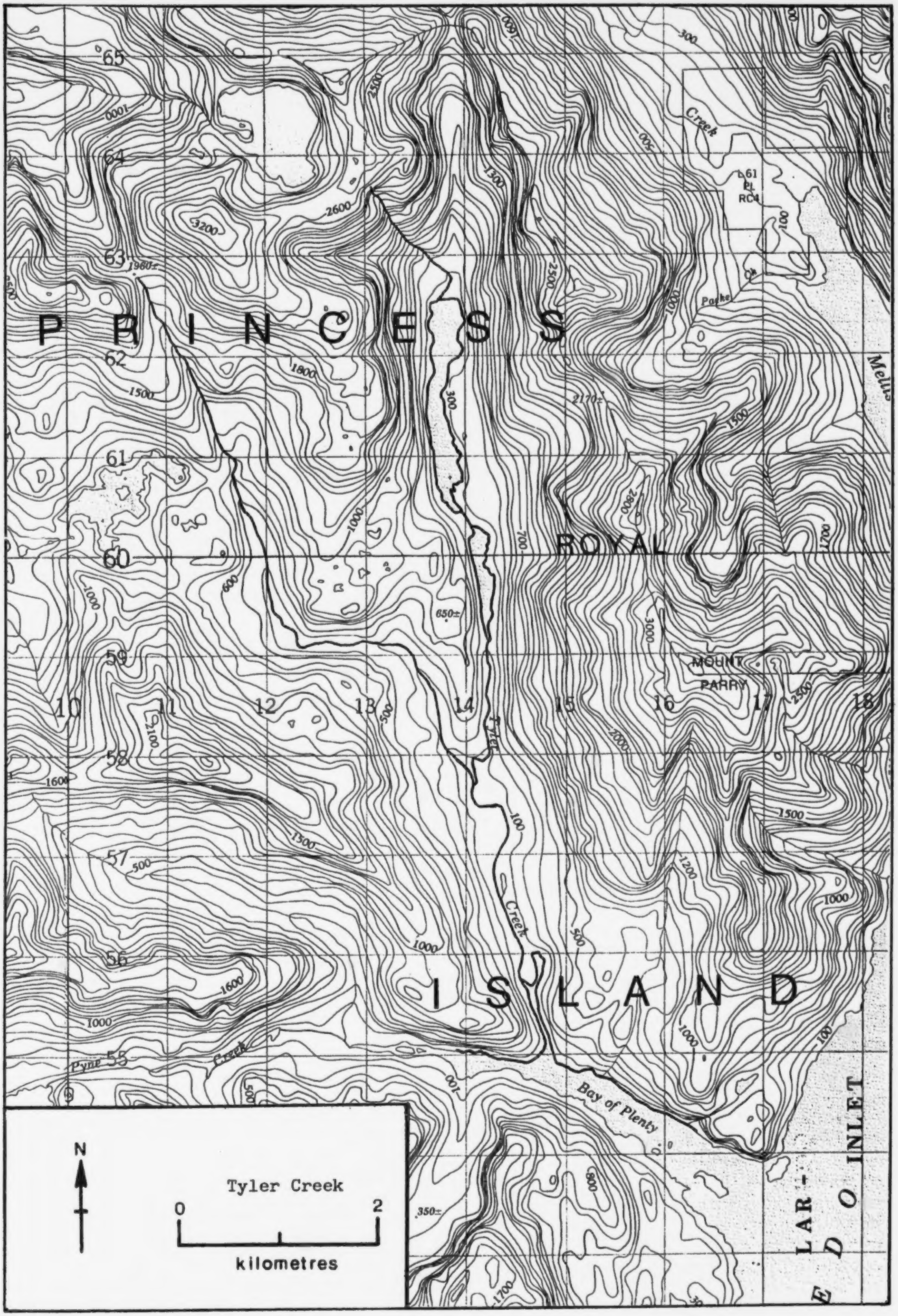
ESCAPEMENT RECORD FOR (Treneman Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | | | | |
| 48 | | | NO RECORD BETWEEN 1947-1950 | | | |
| 49 | | | | | | |
| 50 | | | 25 | 750 | 75 | |
| 51 | | | 350 | 750 | 900 | |
| 52 | | | | | 400 | |
| 53 | | | 75 | 25 | 400 | |
| 54 | | | 400 | 1500 | 400 | |
| 55 | | | 750 | 75 | 200 | |
| 56 | | | 750 | 75 | 1500 | |
| 57 | | | 25 | 400 | 75 | |
| 58 | | | 75 | 200 | 25 | |
| 59 | | | 200 | 25 | 25 | |
| 60 | | | 25 | 75 | N/O | |
| 61 | | | NOT | INSPECTED | | |
| 62 | | | NOT | INSPECTED | | |
| 63 | | | 25 | 25 | N/O | |
| 64 | | | 200 | 75 | N/O | |
| 65 | | | NOT | INSPECTED | | |
| 66 | | | 1500 | N/O | 800 | |
| 67 | | | 750 | N/O | N/O | |
| 68 | | | 1500 | 2 | 750 | |
| 69 | | | 600 | N/O | N/O | |
| 70 | | | 750 | 25 | 25 | |
| 71 | | | 1500 | 25 | 25 | |
| 72 | | | 2000 | N/O | 250 | |
| 73 | | | 250 | N/O | N/O | |
| 74 | | | 300 | N/O | 250 | |
| 75 | | | 600 | N/O | N/O | |
| 76 | | | 50 | 50 | 650 | |
| 77 | 20 | | 20 | 65 | N/O | |
| 78 | | | 400 | N/O | N/O | |
| 79 | | | 20 | 20 | N/O | |
| 80 | | | N/O | 25 | N/O | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | E. SEPT | M. SEPT | E. SEPT | |
| START | | | M. SEPT | M. SEPT | M. SEPT | |
| PEAK | | | OCT | L. SEPT | L. SEPT | |
| END | | | L. OCT | E. OCT | E. OCT | |

REMARKS


PRINCESS ROYAL ISLAND
MOUNT PARRY
Tyler Creek
Bay of Plenty
LAREDO INLET
Mellis
Pyne Creek
Parker
Creek
L61
PL
RC1
65
64
63
62
61
60
59
58
57
56
55
10
11
12
13
14
15
16
17
18
3200
2600
2500
1980±
2170±
1800
1500
1300
1000
700
650±
600
500
350±
300
100
2800
3000
2100
2000
1600
1700
1200
800
N
Tyler Creek
0
2
kilometres

NAME OF STREAM TYLER CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows S. into Bay of Plenty, Laredo Inlet, Rge. 3, Coast Dist.

POSITION 52° 128° NW

LENGTH 6.4 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

| PERCENT GRADIENT | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE ($m^3/s$)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls on left fork 3.6 km from mouth

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - throughout available spawning area |
| CHUM | - throughout available spawning area |
| PINK (ODD YEAR) | - throughout available spawning area |
| PINK (EVEN YEAR) | - throughout available spawning area |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1957. Best showing of chums since 1950 and best in Laredo Inlet

-1961-1963, 1966. Scattered windfall debris, but not obstructing fish passage

-1964. Pinks heavily fished in Laredo Inlet

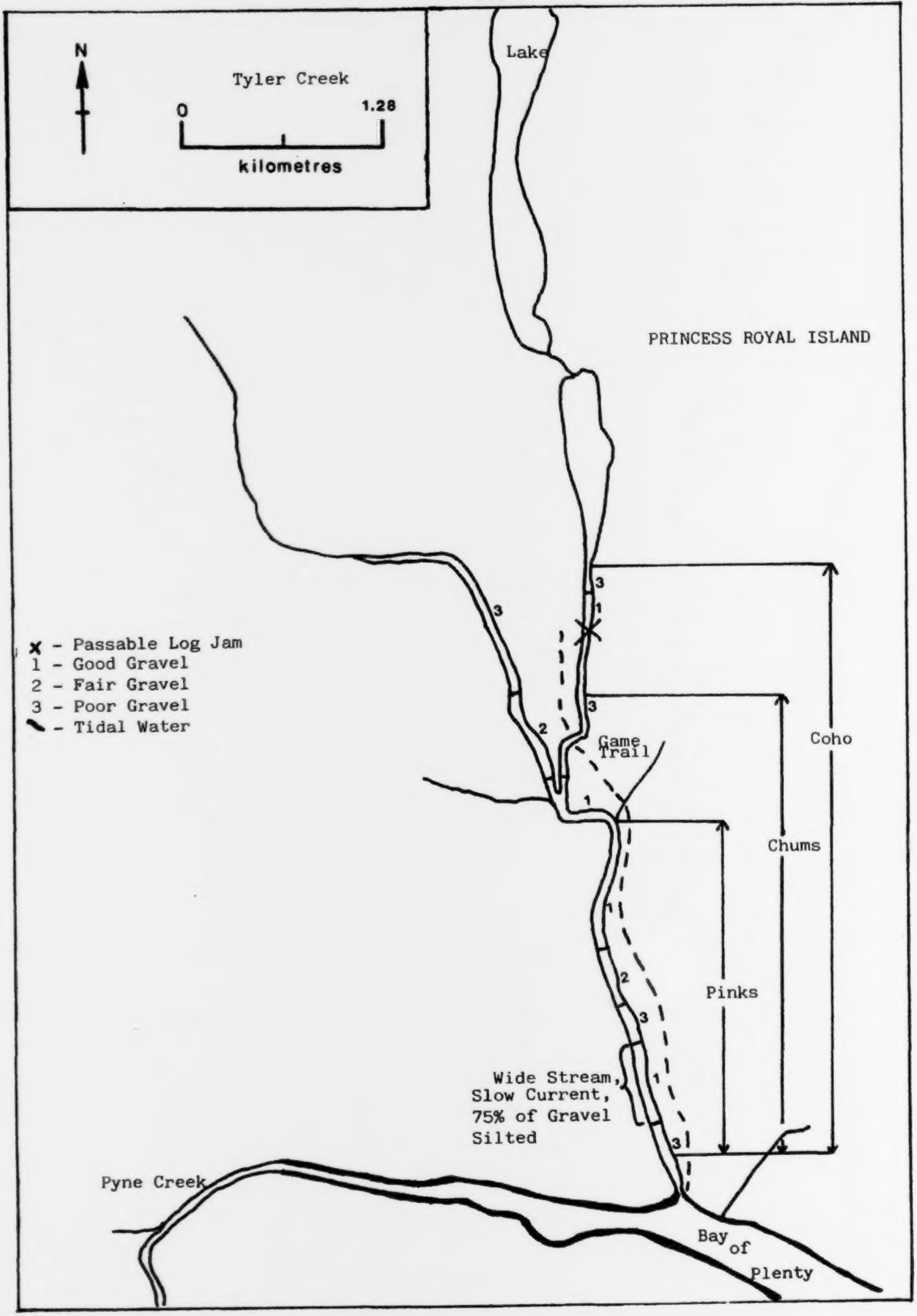
-1965. Low water delayed upstream migration until late September

-1966. High water during surveys hampered enumeration

-1967. High flows washed out log debris

-1978, 1980. Winter flooding observed

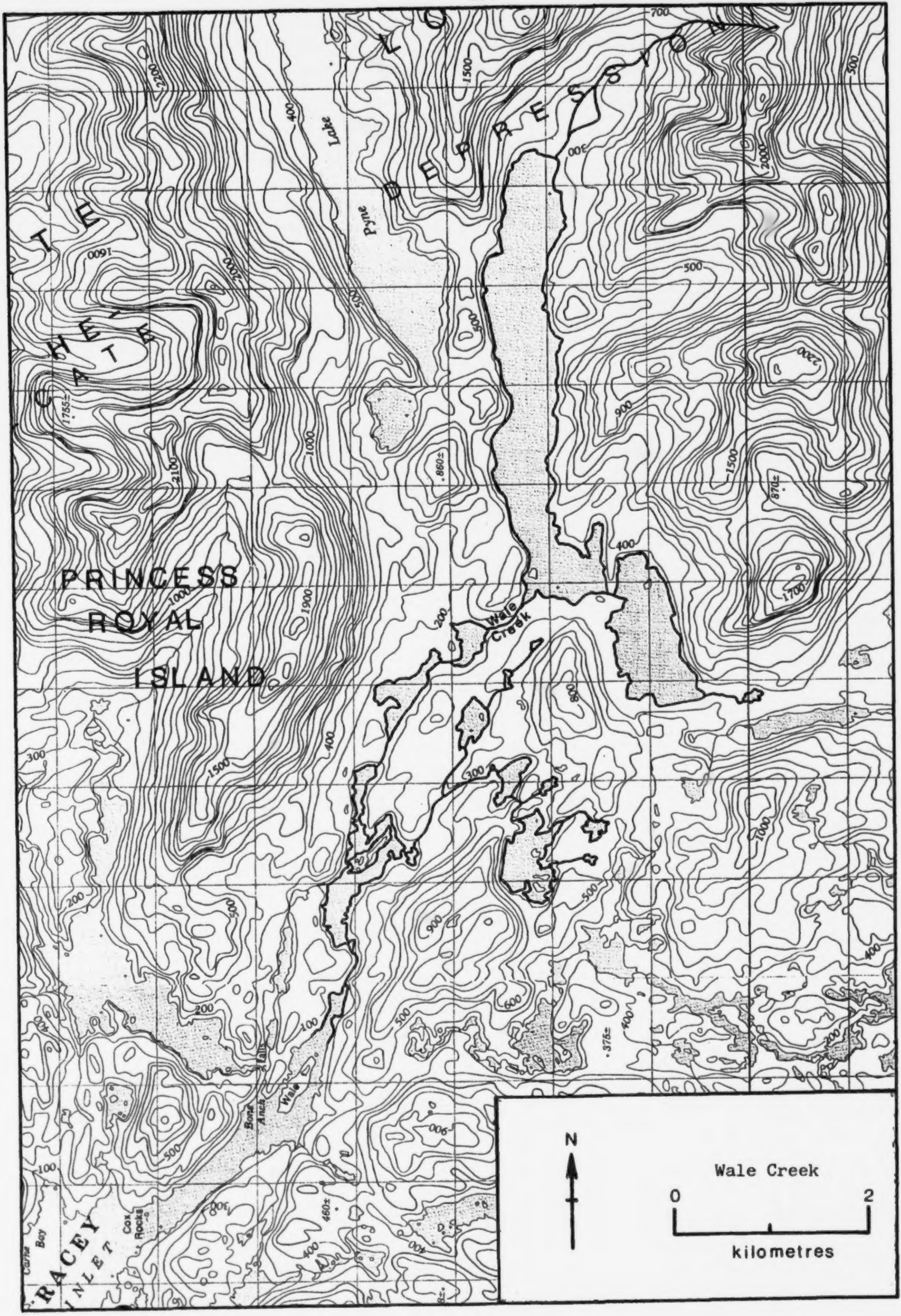
- Good spawning grounds in lower reaches
- Swift creek with rocky creek bed
- Subject to seasonal fluctuaions in water levels
- Predation by bears, wolves, and birds


N
Tyler Creek
0
1.28
kilometres
Lake
PRINCESS ROYAL ISLAND
x - Passable Log Jam
1 - Good Gravel
2 - Fair Gravel
3 - Poor Gravel
- Tidal Water
3
1
3
2
Game Trail
1
1
2
3
1
3
Wide Stream, Slow Current, 75% of Gravel Silted
Coho
Chums
Pinks
Pyne Creek
Bay of Plenty

ESCAPEMENT RECORD FOR TYLER CREEK

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 1500 | 750 | 400 | |
| 48 | | | 750 | | 3500 | |
| 49 | | | 750 | 1500 | 400 | |
| 50 | | | 750 | 3500 | 1500 | |
| 51 | | | 800 | 400 | 100 | |
| 52 | | | | | 750 | |
| 53 | | | 750 | 400 | 75 | |
| 54 | | | 750 | 1500 | 750 | |
| 55 | | | 25 | 25 | 25 | |
| 56 | | | 200 | 400 | 75 | |
| 57 | | | 400 | 7500 | 750 | |
| 58 | | | 200 | 7500 | 3500 | |
| 59 | | | 400 | 200 | 3500 | |
| 60 | | | 400 | 3500 | 15000 | |
| 61 | | | 1500 | 3500 | 7500 | |
| 62 | | | 3500 | 15000 | 35000 | |
| 63 | | | 3500 | 400 | 7500 | |
| 64 | | | 1500 | 15000 | 15000 | |
| 65 | | | 1500 | 3500 | 3500 | |
| 66 | | | UNK | UNK | UNK | |
| 67 | | | N/O | N/O | N/O | |
| 68 | | | 1500 | N/O | N/O | |
| 69 | | | 100 | 1400 | 250 | |
| 70 | | | 200 | 3500 | 7500 | |
| 71 | | | 750 | 4000 | 4000 | |
| 72 | | | 400 | 7500 | 3500 | |
| 73 | | | 300 | 15000 | 500 | |
| 74 | | | 50 | 3000 | 200 | |
| 75 | | | 200 | 7000 | 1500 | |
| 76 | | | 100 | 1500 | 250 | |
| 77 | | | N/O | 1800 | 750 | |
| 78 | | | 50 | 200 | 500 | |
| 79 | | | 200 | 2500 | 150 | |
| 80 | | | 50 | 4000 | 15000 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |
| TIMING | | | | | | |
| ARRIVE | | | SEPT | E. SEPT | E. SEPT | |
| START | | | SEPT | E. SEPT | E. SEPT | |
| PEAK | | | OCT | M. SEPT | M. SEPT | |
| END | | | OCT | OCT | L. SEPT | |

REMARKS


DEPRESSION
Pyne Lake
PRINCESS ROYAL ISLAND
Wale Creek
Bone Anch
Wale
Falls
Cox Rocks
Carlie Bay
RACEY
NLET
1755±
860±
870±
375±
460±
N
Wale Creek
0
2
kilometres

NAME OF STREAM (Wale Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Racey Inlet, Rge. 4, Coast Dist.

POSITION 52° 129° NE

LENGTH 1.6 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Falls at 1.0 km passable to sockeye and coho only

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - above falls |
| CHINOOK | |
| COHO | - above falls |
| CHUM | - to falls |
| PINK (ODD YEAR) | - to falls |
| PINK (EVEN YEAR) | - to falls |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1947-1956. Suggest removal of 4.5 m rock falls located 0.4 km from the mouth, to open the upper watershed to coho spawners

-1957. Low water necessitated work on outlet cascades to decrease coho mortality resulting from attempted ascent of falls. Recommended installation of a fishway

-1958-1964. Fishway considered due to marked declines in coho stocks

-1965-1966. Suggest further investigation of need for fishway

-1968-1969. Lack of definitive reports from surveys of the falls lead to cancellation of proposed work

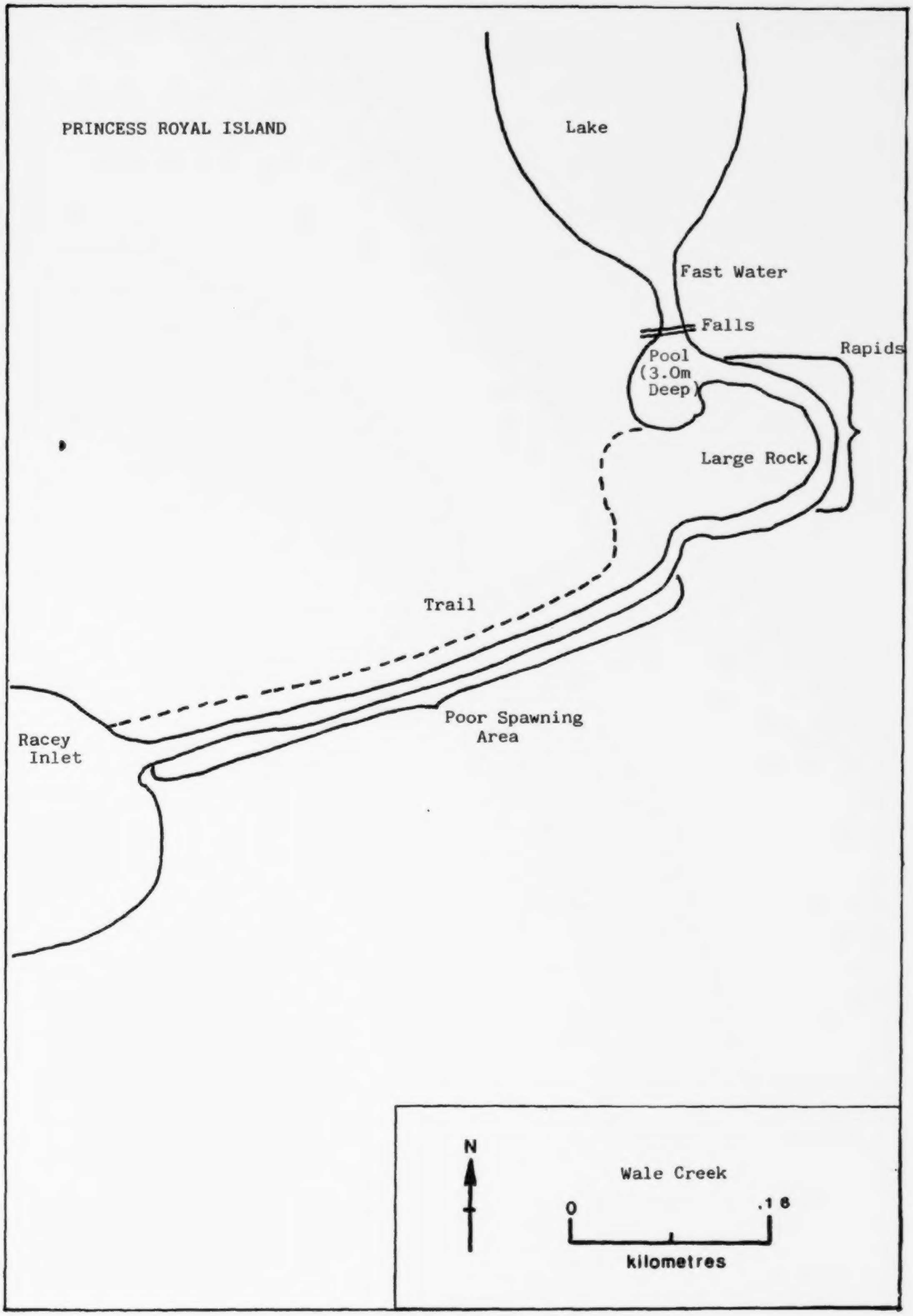
-1970. Low water forced coho to spawn below falls

-1978, 1980. Winter flooding

-1980. Dark coloured water made assessment difficult

GENERAL REMARKS (cont'd) Wale Creek

- Subject to seasonal fluctuations in water levels
- Predation by bears, wolves, eagles, and otters


PRINCESS ROYAL ISLAND
Lake
Fast Water
Falls
Pool (3.0m Deep)
Rapids
Large Rock
Trail
Racey Inlet
Poor Spawning Area
N
Wale Creek
0
.16
kilometres

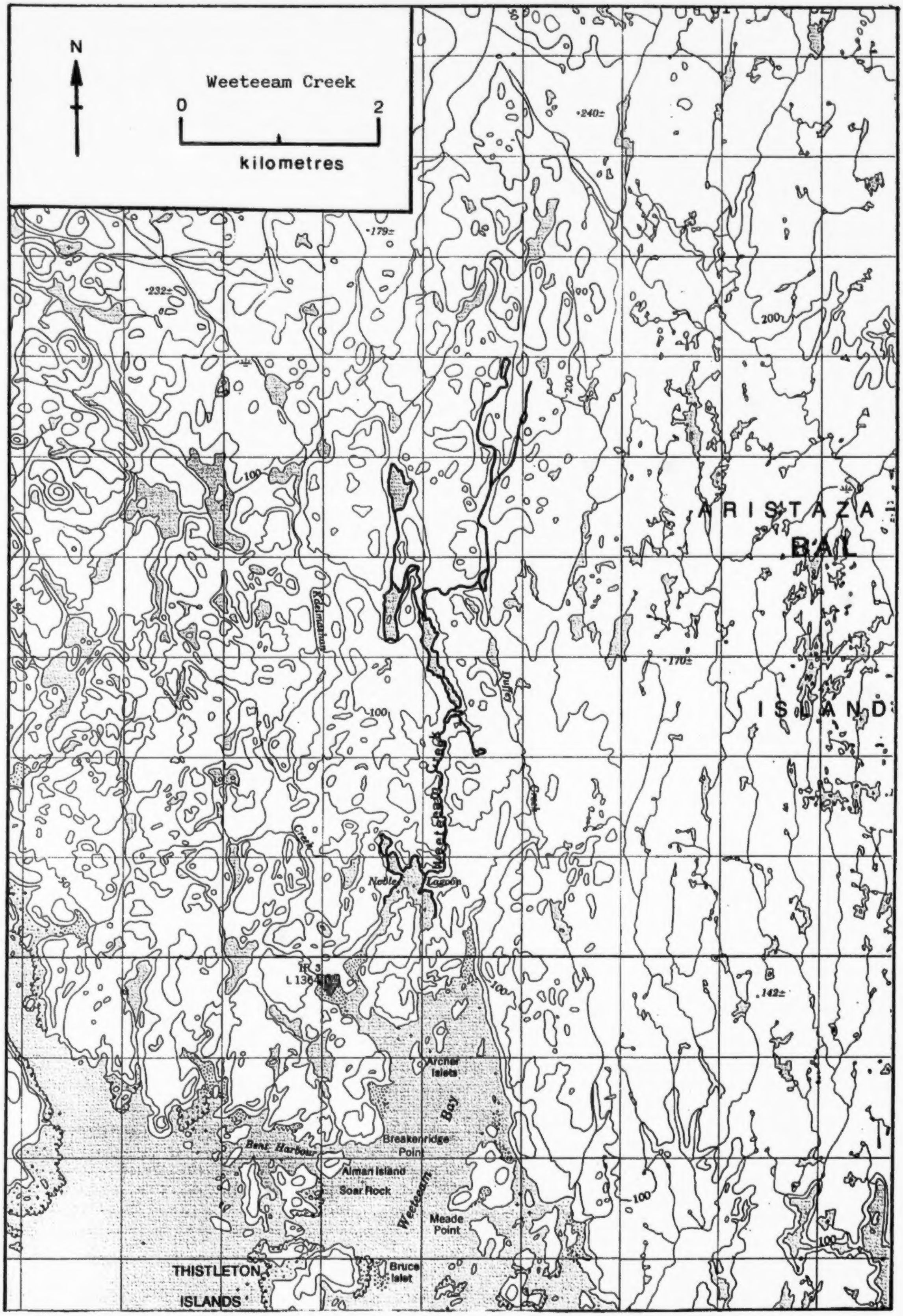
ESCAPEMENT RECORD FOR (Wale Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | 7500 | 750 | 75 | |
| 48 | | | 7500 | | 1500 | |
| 49 | 400 | | 3500 | 200 | 400 | |
| 50 | 75 | | 1500 | 400 | 400 | |
| 51 | N/O | | 7000 | 500 | 1200 | |
| 52 | | | | | 3500 | |
| 53 | 400 | | 3500 | 3500 | 400 | |
| 54 | 200 | | 3500 | 3500 | 1500 | |
| 55 | 200 | | 3500 | 1500 | 1500 | |
| 56 | N/O | | 3500 | 750 | 1500 | |
| 57 | 200 | | 15000 | 75 | 400 | |
| 58 | | | 200 | | | |
| 59 | 25 | | 400 | 25 | 25 | |
| 60 | | | 25 | 75 | | |
| 61 | | | 400 | N/O | | |
| 62 | | | 200 | N/O | | |
| 63 | 25 | | 25 | N/O | | |
| 64 | 75 | | 400 | N/O | N/O | |
| 65 | | | NOT | INSPECTED | | |
| 66 | N/O | | N/O | N/O | N/O | |
| 67 | N/O | | N/O | 75 | 25 | |
| 68 | 25 | | 25 | N/O | 400 | |
| 69 | 75 | | 25 | N/O | N/O | |
| 70 | N/O | | 3500 | 75 | 1500 | |
| 71 | N/O | | 75 | 25 | 400 | |
| 72 | N/O | | 750 | N/O | N/O | |
| 73 | 1000 | | 100 | 30 | 3000 | |
| 74 | 200 | | 800 | 20 | N/O | |
| 75 | N/O | | 1000 | N/O | 500 | |
| 76 | 200 | | 400 | N/O | 5000 | |
| 77 | UNK | | 450 | 20 | 750 | |
| 78 | 500 | | 200 | 25 | 4000 | |
| 79 | 200 | | 400 | 10 | 1800 | |
| 80 | 200 | | 400 | 25 | 4000 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | L. JULY | | L. AUG | E. SEPT | L. AUG | |
| START | M. SEPT | | SEPT | E. SEPT | E. SEPT | |
| PEAK | OCT | | OCT | M. SEPT | M. SEPT | |
| END | L. OCT | | NOV | E. OCT | L. SEPT | |

REMARKS


N
Weeteeam Creek
0
2
kilometres
240±
179±
232±
200
100
Kaimatshun Creek
Duffy Creek
ARISTAZABAL ISLAND
170±
Weeteeam Creek
Noble Lagoon
IR 3
L 136
142±
Archer Islets
Weeteeam Bay
Breakenridge Point
Bent Harbour
Alman Island
Soar Rock
Meade Point
THISTLETON ISLANDS
Bruce Islet

NAME OF STREAM (Weeteeam Creek or Noble Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows S. into Weeteeam Bay, Rge. 3, Coast Dist.

POSITION 52°N 128°W

LENGTH 1.0 km WIDTH m DRAINAGE km$^2$

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m$^2$ SPAWNING AREA m$^2$

DISCHARGE (m$^3$/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 1.0 km

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - to falls and above |
| CHUM | - to falls |
| PINK (ODD YEAR) | - to falls |
| PINK (EVEN YEAR) | - to falls |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1951. Summer drought hampered upstream migration

-1957. Tidal spawning because water level too low for upstream migration

-1958. Cleared windfall debris identified in 1957 report

-1960. Passable log jams developed 0.8 km upstream

-1964. Weeteeam Bay is heavily fished for local stocks, although other stocks are taken too

-1967. Log jams present since 1960 removed by winter flows. Indian food fishery operated in the bay

-1969. Late spawning of chums noted

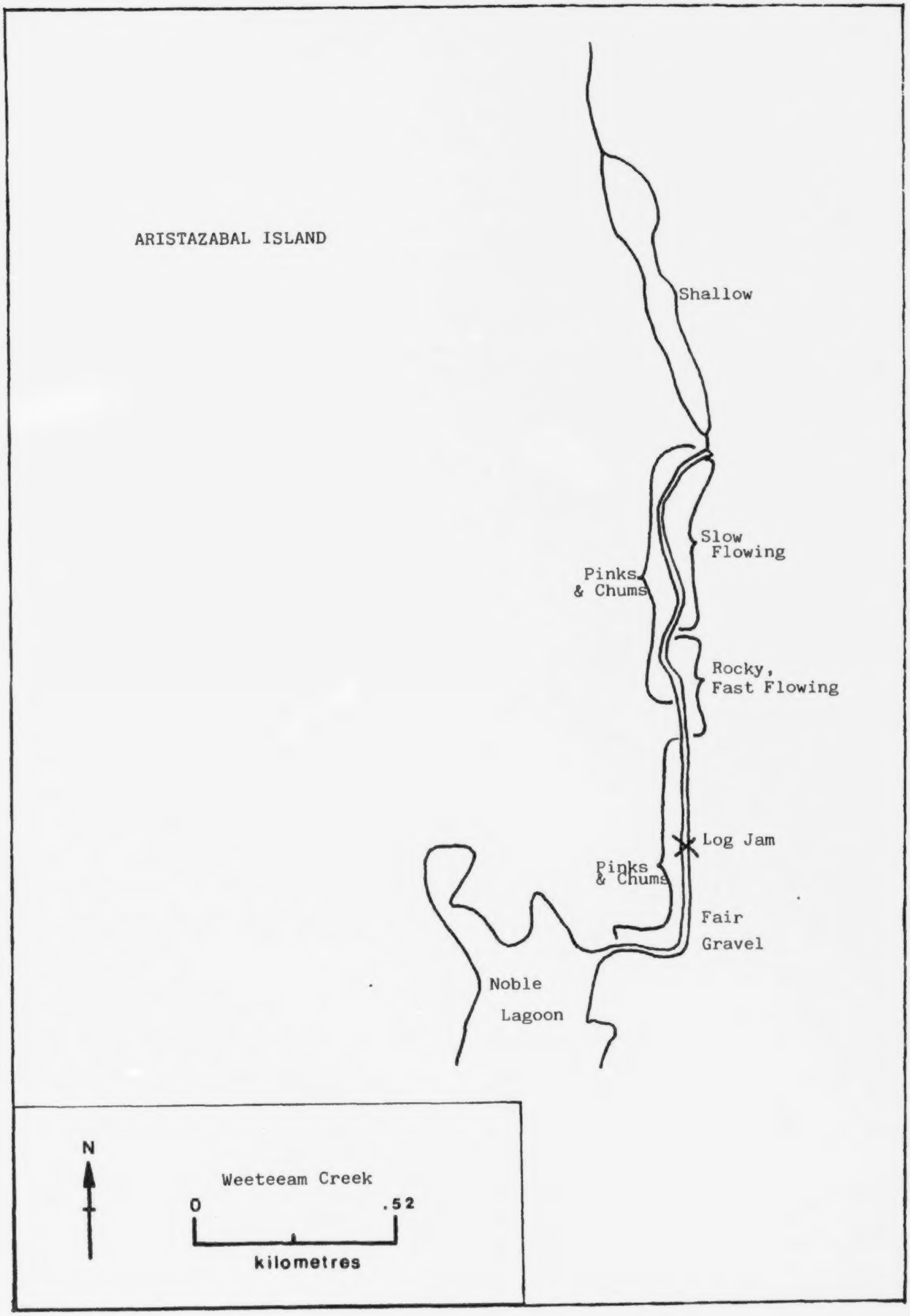
-1971. Dry weather resulted in low summer flows

-1974, 1978, 1980. Some scouring and erosion could have resulted from winter floods

- Historical good spawning substrate

GENERAL REMARKS (cont'd) Weeteeam Creek or Noble Creek)

- Subject to seasonal fluctuations in water levels
- Predation by wolves, birds, and otters


ARISTAZABAL ISLAND
Shallow
Slow Flowing
Pinks & Chums
Rocky, Fast Flowing
Log Jam
Pinks & Chums
Fair Gravel
Noble Lagoon
N
Weeteeam Creek
0
.52
kilometres

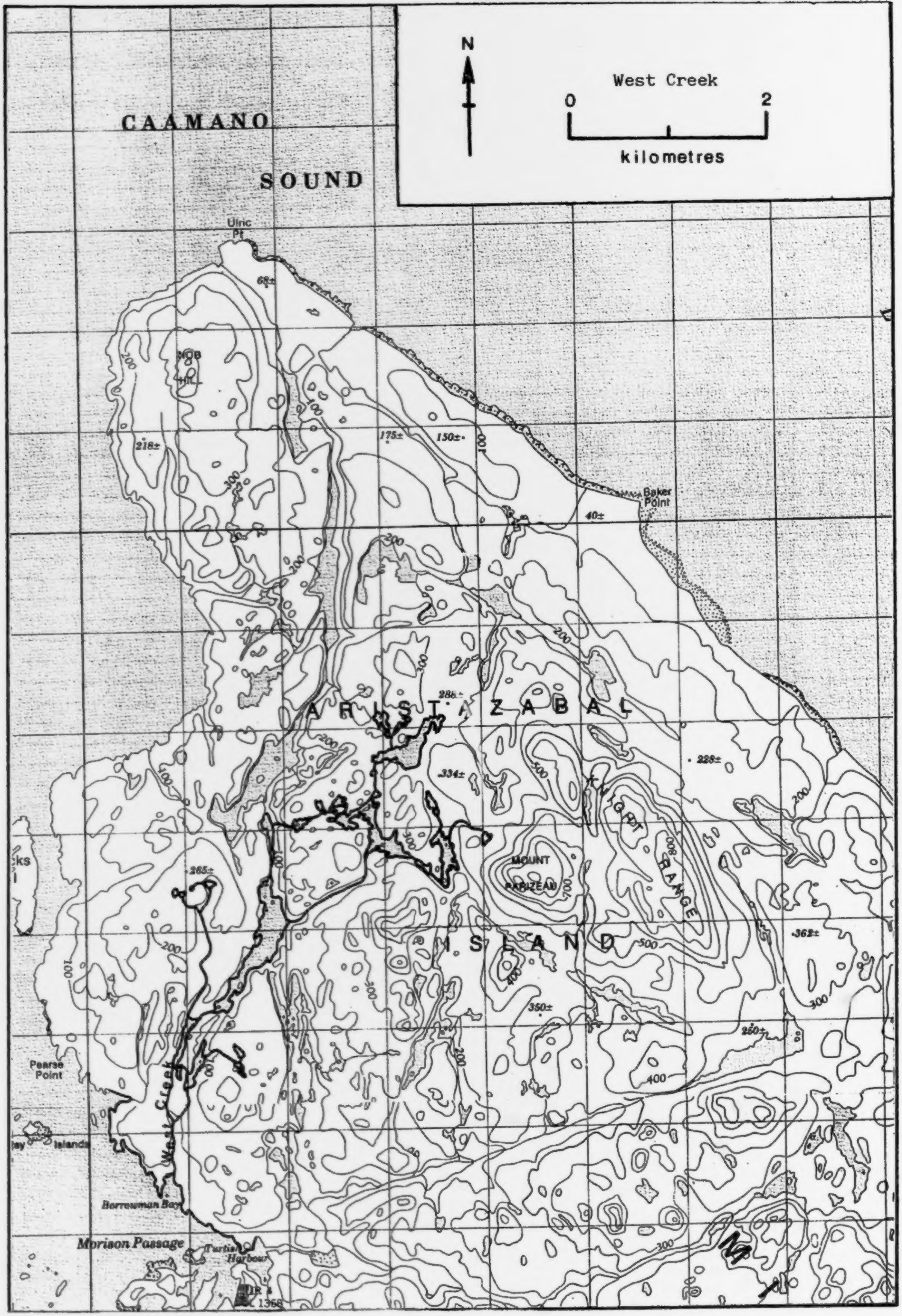
ESCAPEMENT RECORD FOR (Weeteeam or Noble Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | NO RECORD PRIOR TO 1949 | | | |
| 48 | | | | | | |
| 49 | | | 750 | 15000 | 400 | |
| 50 | | | 750 | 3500 | 25 | |
| 51 | | | 1500 | 4000 | 400 | |
| 52 | | | | | 200 | |
| 53 | | | 750 | 3500 | 25 | |
| 54 | | | 3500 | 3500 | 1500 | |
| 55 | | | 1500 | 1500 | 25 | |
| 56 | | | 3500 | 1500 | 3500 | |
| 57 | 1500 | | 1500 | 3500 | 25 | |
| 58 | 750 | | 1500 | 1500 | 3500 | |
| 59 | 400 | | 400 | 200 | 75 | |
| 60 | 75 | | 400 | 3500 | 25 | |
| 61 | N/O | | 750 | 400 | 75 | |
| 62 | 750 | | 750 | 1500 | 750 | |
| 63 | 75 | | 200 | 200 | 75 | |
| 64 | 75 | | 750 | 3500 | 400 | |
| 65 | 400 | | 1500 | 1500 | 400 | |
| 66 | N/O | | 20 | 500 | 150 | |
| 67 | 25 | | 25 | 200 | N/O | |
| 68 | N/O | | N/O | 750 | 200 | |
| 69 | N/O | | N/O | 650 | N/O | |
| 70 | | | N/O | 750 | 200 | |
| 71 | | | 75 | 25 | 25 | |
| 72 | | | 400 | 25 | 25 | |
| 73 | | | N/O | 200 | N/O | |
| 74 | | | N/O | 25 | 120 | |
| 75 | | | 250 | 700 | | |
| 76 | | | 50 | 1500 | 900 | |
| 77 | | | 50 | 400 | N/O | |
| 78 | | | | 200 | 75 | |
| 79 | | | 75 | 1500 | | |
| 80 | | | NOT | INSPECTED | | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

TIMING

| | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | L. SEPT | E. SEPT | E. SEPT | |
| START | | | L. SEPT | M. SEPT | M. SEPT | |
| PEAK | | | OCT | L. SEPT | L. SEPT | |
| END | | | NOV | M. OCT | OCT | |

REMARKS


N
West Creek
0
2
kilometres
CAAMANO
SOUND
Ulric Pt
68±
BOB HILL
200
100
218±
175±
150±
300
Baker Point
40±
286±
ARISTAZABAL
334±
228±
500
KNIGHT RANGE
900
MOUNT PARIZEAU
700
265±
ISLAND
362±
400
350±
250±
Pearse Point
West Creek
Islands
Barrowman Bay
Morison Passage
Turtish Harbour
IR 1368

NAME OF STREAM (West Creek or Fish Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows S. into Borrowman Bay, Rge. 3, Coast Dist.

POSITION 52°47' 129°15' NW

LENGTH 8.0 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | - to lake and above |
| CHINOOK | |
| COHO | - to lake and above |
| CHUM | - lower reaches |
| PINK (ODD YEAR) | - lower reaches |
| PINK (EVEN YEAR) | - lower reaches |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1957. Saltwater spawning observed on account of low water levels throughout migration period

-1965. Very low flows July - late September

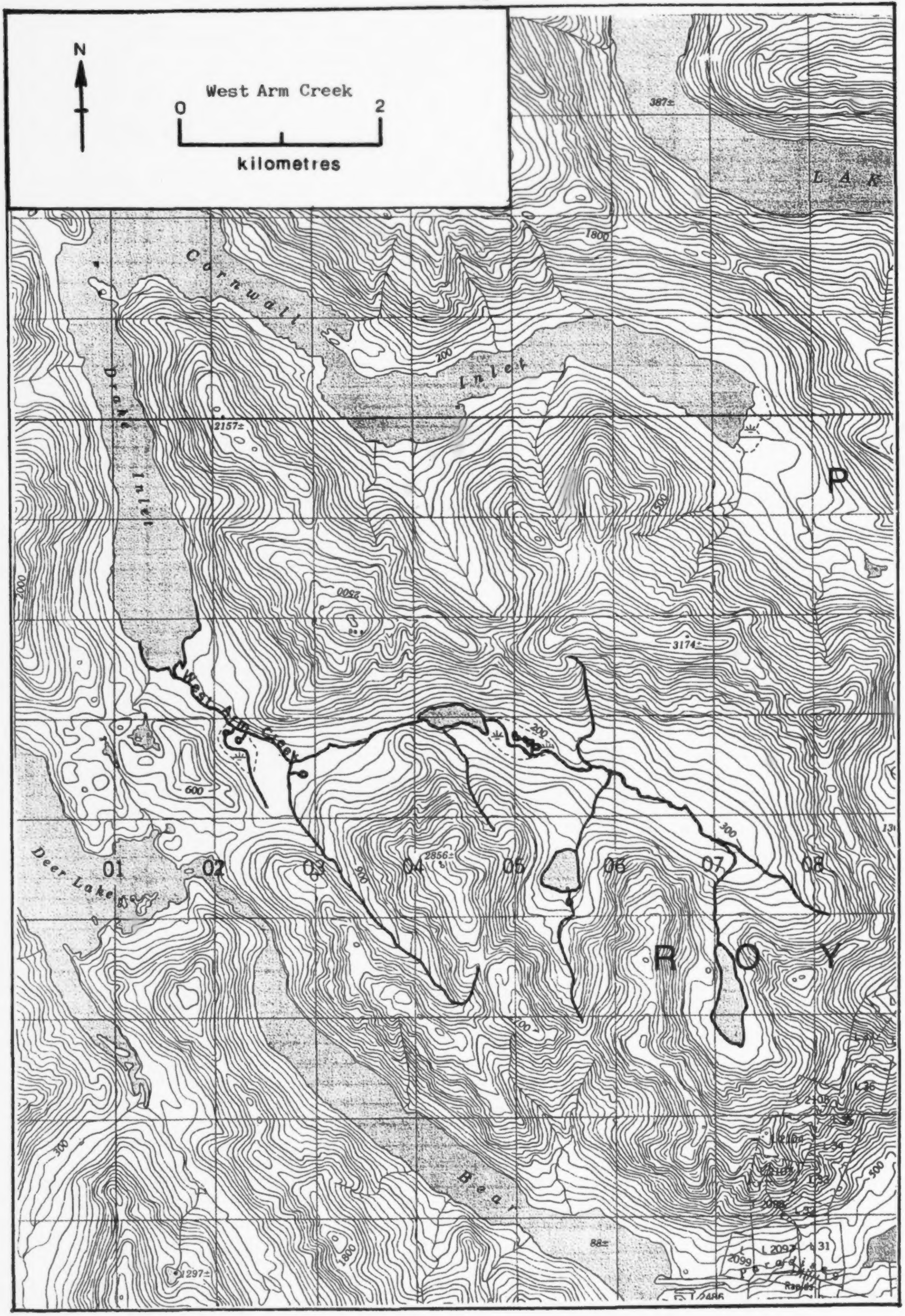
-1978, 1980. Winter flooding

- Limited spawning capacity in creek
- Seriously affected by drought conditions
- Rocky creek with fast flow
- Subject to seasonal fluctuations in water levels
- Some predation by birds and wolves

ESCAPEMENT RECORD FOR (West or Fish Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | 1500 | | 3500 | 75 | 75 | |
| 48 | | | 7500 | | 25 | |
| 49 | 400 | | 750 | 200 | 200 | |
| 50 | 75 | | 750 | 750 | 1500 | |
| 51 | 50 | | 500 | 200 | 100 | |
| 52 | | | | | 1500 | |
| 53 | 1500 | | 3500 | 750 | 750 | |
| 54 | 200 | | 200 | 200 | 400 | |
| 55 | 200 | | 200 | 200 | 400 | |
| 56 | 1500 | | 3500 | 1500 | 7500 | |
| 57 | 1500 | | 3500 | 3500 | 1500 | |
| 58 | 750 | | 1500 | 3500 | 1500 | |
| 59 | 200 | | 750 | 200 | 1500 | |
| 60 | 200 | | 400 | 1500 | 750 | |
| 61 | 200 | | 400 | N/O | 400 | |
| 62 | 200 | | 750 | N/O | 1500 | |
| 63 | 75 | | 750 | 200 | 400 | |
| 64 | 200 | | 400 | 1500 | 750 | |
| 65 | | | NOT | INSPECTED | | |
| 66 | UNK | | UNK | UNK | UNK | |
| 67 | N/O | | 25 | N/O | N/O | |
| 68 | | | | | | |
| 69 | | | | | | |
| 70 | | | | | | |
| 71 | | NO | RECORD BETWEEN 1968-1975 | | | |
| 72 | | | | | | |
| 73 | | | | | | |
| 74 | | | | | | |
| 75 | | | | | | |
| 76 | 200 | | | | 7800 | |
| 77 | | | | | | |
| 78 | | | | 200 | 2500 | |
| 79 | | | | N/O | 50 | |
| 80 | | | | 350 | 2000 | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |
| TIMING | | | | | | |
| ARRIVE | | | | | L. AUG | |
| START | | | | | E. SEPT | |
| PEAK | | | | | L. SEPT | |
| END | | | | | M. OCT | |

REMARKS


N
West Arm Creek
0
2
kilometres
387±
L A K
1800
Cornwall
Inlet
200
Drake Inlet
2157±
P
1500
2500
2000
3174±
West Arm Creek
200
600
300
01
02
03
04
05
06
07
08
900
2856±
Deer Lake
R
O
Y
200
300
500
Bear
1800
88±
1297±
Paradise
Rapids
L 2097
2099
L 36
L 34
L 33
L 31

NAME OF STREAM (West Arm Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows NW. into Drake Inlet, Rge. 4, Coast Dist.

POSITION 53° 128° SW

LENGTH 4.8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

| | |
|---|---|
| 0.00 - 0.25 | |
| 0.25 - 0.50 | |
| 0.50 - 0.75 | |
| 0.75 - 1.00 | |
| >1.00 | |

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

| SPECIES | SECTION OF STREAM USED |
|---|---|
| SOCKEYE | |
| CHINOOK | |
| COHO | - scattered over available spawning areas in the lower 2.4 km |
| CHUM | - scattered over available spawning areas in the lower 2.4 km |
| PINK (ODD YEAR) | - scattered over available spawning areas in the lower 2.4 km |
| PINK (EVEN YEAR) | - scattered over available spawning areas in the lower 2.4 km |
| STEELHEAD | |

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1957. Protection of Skookumchuck Lagoon at entrance to Whale Channel credited with improved spawning escapements

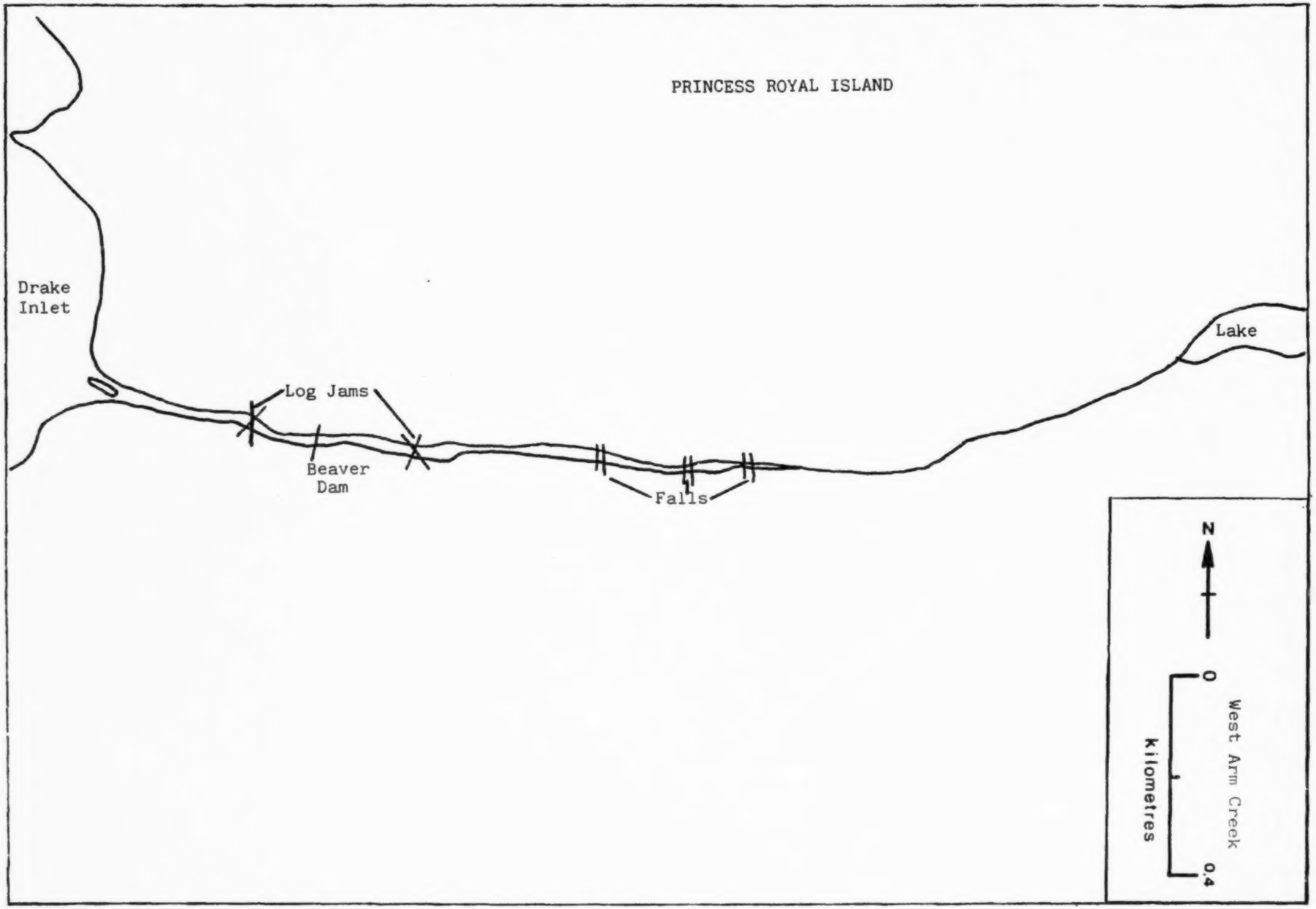
-1968. Since no returns reported for last 7 years inspectors recommended that this stream be removed from active files

-1973. Poor observation conditions

-1976, 1977. Presently a minor producer, though inspection shows that stream has good potential

-1978. Flooding in November

- Limited spawning area, many small rapids
- Subject to seasonal fluctuations in water levels
- Light predation by bears and birds


PRINCESS ROYAL ISLAND
Drake Inlet
Lake
Log Jams
Beaver Dam
Falls
N
0
0.4
kilometres

West Arm Creek

ESCAPEMENT RECORD FOR (West Arm Creek)

| YEAR | SOCKEYE | CHINOOK | COHO | CHUM | PINK | STEELHEAD |
|---|---|---|---|---|---|---|
| 1947 | | | | | | |
| 48 | | | | | | |
| 49 | | | NO RECORD PRIOR TO 1951 | | | |
| 50 | | | | | | |
| 51 | 50 | | 500 | 350 | 50 | |
| 52 | | | | | 75 | |
| 53 | | | 750 | 750 | 400 | |
| 54 | | | 25 | 75 | 75 | |
| 55 | | | 75 | 25 | 75 | |
| 56 | | | 750 | 400 | 750 | |
| 57 | | | 400 | 750 | 200 | |
| 58 | | | NOT | INSPECTED | | |
| 59 | N/O | | 400 | 75 | 200 | |
| 60 | 200 | | 400 | N/O | 750 | |
| 61 | N/O | | 75 | 25 | 200 | |
| 62 | N/O | | 400 | N/O | 750 | |
| 63 | N/O | | N/O | N/O | 200 | |
| 64 | N/O | | N/O | N/O | 1500 | |
| 65 | | | NOT | INSPECTED | | |
| 66 | UNK | | UNK | UNK | UNK | |
| 67 | N/O | | N/O | N/O | N/O | |
| 68 | | | N/O | N/O | N/O | |
| 69 | | | N/O | 25 | 25 | |
| 70 | | | N/O | 750 | 1500 | |
| 71 | | | N/O | 400 | 1000 | |
| 72 | | | N/O | 75 | 1500 | |
| 73 | | | | 150 | 500 | |
| 74 | | | N/O | N/O | 25 | |
| 75 | | | N/O | N/O | N/O | |
| 76 | | | NOT | INSPECTED | | |
| 77 | | | 200 | 70 | 100 | |
| 78 | | | 100 | | 3500 | |
| 79 | | | N/O | N/O | 1000 | |
| 80 | | | | | | |
| 81 | | | | | | |
| 82 | | | | | | |
| 83 | | | | | | |
| 84 | | | | | | |
| 85 | | | | | | |

| TIMING | | | | | | |
|---|---|---|---|---|---|---|
| ARRIVE | | | | SEPT | L. AUG | |
| START | | | | SEPT | E. SEPT | |
| PEAK | | | | SEPT | M. SEPT | |
| END | | | | OCT | OCT | |

REMARKS

# METRIC EQUIVALENTS

## Length

centimeter (cm) = 0.394 in
meter (m) = 3.280 ft
meter (m) = 1.094 yd
kilometer (km) = 0.621 mi

inch (in) = 2.540 cm
foot (ft) = 0.305 m
yard (yd) = 0.914 m
mile (mi) = 1.609 km

## Area

square centimeter (in$^2$) = 0.155 in$^2$
square meter (m$^2$) = 10.760 ft$^2$
square meter (m$^2$) = 1.196 yd$^2$
square kilometer (km$^2$) = 0.386 mi$^2$
hectare (ha) = 2.470 a

square inch (in$^2$) = 6.451 cm$^2$
square foot (ft$^2$) = 0.093 m$^2$
square yard (yd$^2$) = 0.836 m$^2$
square mile (mi$^2$) = 2.590 km$^2$
acre (a) = 0.405 ha

## Volume

cubic centimeter (cm$^3$) = 0.061 in$^3$
liter (L) = 61.023 in$^3$
liter (L) = 0.035 ft$^3$
liter (L) = 0.264 U.S. gal
= 0.220 Imp. gal

cubic meter (m$^3$) = 35.315 ft$^3$
cubic meter (m$^3$) = 1.308 yd$^3$

cubic inch (in$^3$) = 16.387 cm$^3$
cubic inch (in$^3$) = 0.016 L
cubic foot (ft$^3$) = 0.028 m$^3$
cubic foot (ft$^3$) = 28.320 L
cubic yard (yd$^3$) = 0.765 m$^3$
U.S. gallon (gal) = 3.785 L
Imp. gallon (gal) = 4.546 L

## Weight

gram (gm) = 0.035 oz
kilogram (kg) = 2.205 lb
kilogram (kg) = 0.001 ton (short)
tonne (t) = 1.103 ton (short)

ounce (oz) = 31.103 gm
pound (lb) = 0.373 kg
ton (short) = 907.180 kg
ton (short) = 0.907 t

## Velocity

meter per second (m/s) = 3.280 ft/s
feet per second (ft/s) = 0.305 m/s

## Discharge

cubic meter per second (m$^3$/s) = 35.315 ft$^3$/s
cubic foot per second (ft$^3$/s) = 0.028 m$^3$/s
cubic meter per second (m$^3$/s) = 15350.879 U.S. gal/min
= 13198.628 Imp. gal/min

## Temperature

Degrees Centigrade ($^{\circ}$C) = 5/9 (Degrees Fahrenheit - 32)
Degrees Fahrenheit ($^{\circ}$F) = 9/5 (Degrees Centigrade) + 32